RÉSUMÉ

Dr. Sanjay J. Dhoble, **Professor**
Department of Physics, R.T.M. Nagpur University
Nagpur-440033, (M.S.) INDIA
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Mobile- 09822710204,
E-mail: sjdhoble@gmail.com **;** sjdhoble@rediffmail.com

Designation	**: Professor** Department of Physics Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur, Maharashtra-440033, India (**Since 3rd July 2009**).
Chairman	**:** Luminescence Society of India, Vidharbh Chapter, India.
Vice President	**:** Luminescence Society of India

Top 2 % Scientist at world level in subject Applied Physics in the years 2020, 2021, 2022 and 2023:

Consecutively in the years **2020, 2021, 2022 and 2023** Dr. Dhoble stands among the "**Top 2% Scientists in the World**" in the prestigious list published by a team of scientists in US' Stanford University, in one of the highly rated journals, PLOS Biology. Three scientists John P.A. Ioannidis, Kevin W. Boyack and Jeroen Baas from Stanford University, Americahave recently analyzed the world'slargest scientific database 'Scopus'. They have released a list of top 2% scientists across the world based on their citations, h-index and number of published papers which has been classified into 176 sub-fields. Prof. Sanjay Janrao Dhoble from Department of Physics, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur is the only professor from R.T.M. Nagpur University who has been included in this list of top 2% scientists in the subject applied Physics consecutively in the years **2020, 202, 2022 and 2023**.

India's Top Faculty Research Award-2018 by Careers 360, received in Teen Murti Bhawan, New Delhi, for the top ten researchers in India in Physics on the basis of research papers published in **SCOPUS** research database in session 2017-2018, on 20th March 2018.

Governor of Chhattisgarh nominated Member of Chhattisgarh State Level Physics Board for three years 2022-2025.

Fellow: Fellow of Maharashtra Academic of Sciences, for the significant contribution in the field of Physical Sciences in the year 2020. Presented by **Maharashtra Academic of Sciences on** 28th November 2020 Fellowship No. ALF1102.

Fellow: Fellow of Luminescence Society of India, for the outstanding contribution in the field of Luminescence and extentation of work of society, presented by **Luminescence Society of India**, at Indiana Institute of Chemical Technology, Hydrabad on 11th Jan 2017.

Local Sectional Secretary, 108th Indian Science Congress-2003,

Local Sectional Secretary, Material Science Section of 108th Indian Science Congress-2003 held at Rashtrasant Tukadoji Maharaj Nagpur University, India from 03 Jan to 07 January 2023 is successfully organized.

Honor at the hands of Shri Devendra Fadnavis, Hon'ble Deputy Chief Minister, Maharashtra, India

Received **Honor at the hands of Shri Devendra Fadnavis, Hon'ble Deputy Chief Minister, Maharashtra, India**, in appreciation for Granted/Published/Filed 52 patents, i.e. maximum papetnts in Vidrabha Maharashtra, India, as well as Participation in Jury at the **Patent and Idea Fest 2023**, at Nagpur, India on 14th August 2023

Rare earths research in India published in Current Science: A scientometrics analysis of rare earths research in India published in Current Science (**110**, 1184-7(2016)) lists Dr. Dhoble as one of the most prolific Indian authors in the field of rare earths research in the order of z-index.

Best Research Award-2016, for the outstanding contribution in the field of research and related extentation activity for the University, presented by R.T.M. Nagpur University, Nagpur, India on 5th Sept 2016.

Elected Member of the Sectional Committee of the Secretary of Materials Scienc, 2023-2024, 109th Session of the Indian Science Congress.

Lions Iconic Awards in Education: By International Association of Lions Clubs, Nagpur, 1st January 2022.

Vidharbh Ratnya Award by R.P. Samarth Smarak Samiti, Nagpur, **8th Feb 2020**.

Personal Details:

Father's Name	**:**	Janrao D. Dhoble
Date of Birth	**:**	December 26, 1967
Gender	**:**	Male
Marital Status	**:**	Married
Nationality	**:**	Indian
Mother Tongue	**:**	Marathi
Languages Known	**:**	English, Marathi and Hindi.

Educational Qualifications:

Ph.D.: 01 July, 1992, Solid State Physics,

Title of Thesis: **"STUDIES OF DEFECT PROCESS IN ALKALI HALIDE USING ELECTROLYTIC COLORATION TECHNIQUES"** Under the erudite guidance of **Prof. S.V. Moharil,** D.Sc, Professor, Department of Physics, Nagpur University, Nagpur, INDIA.

Sr. No.	*Degree*	*Name of Board/University*	*Year*
1.	***M.Sc. (Physics)***	*Rani Durgavati University, Jabalpur.*	***1988***
2.	***B.Sc. (Phys, Chem, Maths)***	*Dr. Harisingh Gour University, Sagar.*	***1986***
3.	***HSSC***	*Board of Secondary Education, Madhyapradesh, Bhopal.*	***1983***

Certificate in Journalism, 2000, Yeshwantrao Chavan Maharashtra Open University, Nasik.

Teaching /Administrative Experience: 13 + 5 Years + 3 Years +5 Years

Post	Place	From	To	Total
Professor	Department of Physics, RTM Nagpur University, Nagpur	3rd July 2012	Till Date	
Director (Honorary)	Inter Institutional Computer Centre, R.T.M. Nagpur University, Nagpur	31st Decmber 2015	Ist August 2022	**6 Years 7 Months**
Associate Professor	Department of Physics, R.T.M. Nagpur University, Nagpur	3rd July 2009	2nd July 2012	**3 Years**
Principal	Kamla Nehru Mahavidyalaya, Sakkardara Square, Nagpur-440009	7th April 2004	3rd July 2009	**5 Years 2 Months**
Officiating Principal	Kamla Nehru Mahavidyalaya, Sakkardara Square, Nagpur-440009	3rd May 2003	6th April 2004	**1 Years**
Lecturer	Kamla Nehru Mahavidyalaya, Sakkardara Square, Nagpur-440009	7th Sept 1991	6th April 2004	**13 Years**
Contributory Lecturer (Post-graduate level)	Department of Physics, Nagpur University Nagpur.	1991	2000	**9 Years**

Author ID:

Scopus Author ID: 7003481817

ORCID Id: 0000-0002-4249-8228

Status of research papers publication on 06-11-2023 (As per the Scopus and Google Scholar record):

Status of research papers in	Total research papers published	h-index	Citations	i10 -index
Scopus	**903**	**45**	**11,622**	**--**
Google Scholar	**1,063**	**49**	**14,040**	**408**

Research Publications in International/National Journals : 991

Patent Granted/Published/Filed: 58

Granted = 28 (01 South Korean, 07 South Arica, 13Australian and 07 Indian)

Published = 22

Filed/ Submiited = 08

University Responsibilities:

1. **Local Sectional Secretary of Materials Science Section, Indian Science Congress, 3rd – 7th January 2023, R.T.M. Nagpur University, Nagpur.**
2. **Editor–in-Chief, Rashtrasant Tukadoji Maharaj Nagpur University Science Journal 2022**
3. **Member of Interdisiplinary Board, Gonwana University, Gadchiroli, 2022-2023.**
4. **Member of Selection committee of Contractual Teacher, Gonwana University, Gadchiroli, science 2022.**
5. **Member of preparation three months report on handicapts students 2020.**
6. **Chairman, Research and Development Committee, Under Centenary Celebration Year 2022-2024, R.T.M. Nagpur University, Nagpur.**
7. **Member of Industry Park, Under Centenary Celebration Year 2022-2024, R.T.M. Nagpur University, Nagpur.**
8. **Member, Research and Recognition Committee, 2023 (Task Committee), R.T.M. Nagpur University, Nagpur.**
9. **Member, Career Advancement Sceme (CAS), Stablishing gideline of common rules and regulations, 2021, R.T.M. Nagpur University, Nagpur.**
10. **Member of University National Institute Ranking Framework (NIRF) SWOT Ananlysis Committee, R.T.M. Nagpur University, Nagpur.**
11. **Co-ordinator, Career and Counseling Cell, R.T.M. Nagpur University, Nagpur upto 2017.**
12. **Member, Co-ordination Committee, for MKCL Pvt. Limited and University for support service to examination work and on-line students facilities.**
13. **Director, Human Resource Development Cell, R.T.M. Nagpur University, Nagpur**
14. **Co-ordinator (Science Faculty), Centerilized Admission Process-2017**
15. **Member of Core Committee of RUSA, R.T.M.Nagpur University, Nagpur**
16. **Chairman, Academic and research monitoring committee, R.T.M.Nagpur University, Nagpur, 2018, 2019**
17. **Subject Expert, Research Project in Physics, Financial support from University general fund, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.**
18. **Member of Fund Sanctioned Committee of R.T.M.Nagpur University, Nagpur for colleges for development of facility to distribution of online delivery question papers of University examination at examination centers.**
19. **Chairman, Avishkar-2016, 2017, 2018 Organization Committee, R.T.M.Nagpur University, Nagpur**

20. **Member, Internal Quality Assurance Cell (IQAC), R.T.M. Nagpur University, Nagpur.**
21. **Member, Committee of preparing the proposal of potential of excellence of University.**
22. **Chairman, Special Task force constituted for the slection trials for Avishkar-2015.**
23. **Member, Steering Committee of NAAC, R.T.M. Nagpur University, Nagpur.**
24. **Chief Co-ordinator, participation of R.T.M. Nagpur University in Indian Science Congress- 2015, Mumbai, 3rd to 7th Jan 2015.**
25. **Supervisor, R.T.M. Nagpur University, Nagpur students Delegation for participation in JENESIS 2.0 programme conducted by Japan International Co-operation Center at Japan during 3rd June 2014 to 10 June 2014.**
26. **Co-ordinator, NAAC sponsored two days workshop on "NAAC Awareness Workshop for Non-accredited Colleges", 31st March 2015 and 1st April 2015 Organized by Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur**
27. **Member, preparing the guideline of Youth Policy, R.T.M. Nagpur University, Nagpur.**
28. **Member, Hostel monitoring committee, R.T.M. Nagpur University, Nagpur**
29. **Member, Centralized Admission Committee for University Boys Hostel, R.T.M. Nagpur University, Nagpur**
30. **Member, Adviser committee of University employment and self-employment information and guidance centre, R.T.M. Nagpur University, Nagpur**
31. **Member, preparing the proposal for organization of Avishkar at College level (first stage) and University level (second stage).**
32. **Member, Self Study Report preparation committee of NAAC, R.T.M. Nagpur University, Nagpur**
33. **Member, Preparing proposal for Centre of "Research Guidance Clinic", R.T.M. Nagpur University, Nagpur**
34. **Member, preparing the proposal of 12th Five-year plan period under the Scheme of Higher Education Introduced by Ministry Human Resource Development.**
35. **Assistant Editor, Souvnier publication on the occasion of celibration of 100th Convocation of R.T.M. Nagpur University, Nagpur**
36. **Member, Anti-Ragging Committee of R.T.M. Nagpur University, Nagpur**
37. **Advisory committee member, National Service Scheme (NSS), R.T.M. Nagpur University, Nagpur**
38. **Member, preparing the proposal of RUSA of Central Government's 12th and 13th Five-year plan period under the Scheme of Higher Education Drive Introduced by Ministry Human Resource Development.**
39. **Member, Protocal and Haspitality Committee of University organized Indradhanuhya-2015 from 22nd to 26th January 2016. Indradhanuhya-2015 was a megha state level cultural event organized at the behest of Honourable Governor of Maharashtra.**

40. **Member, Task Commiittee in the subject Physics, under the faculty of Science, R.T.M. Nagpur University, Nagpur (2016).**
41. **Member, E-Tendor Committee of Examination (Pre-post/Digitization old records) work, R.T.M. Nagpur University, Nagpur (2016).**
42. **Member, Committee of vigilance squad for winter-2015 examination, R.T.M. Nagpur University, Nagpur**
43. **Member, Preparing proposal for centre of "Reseach Guidance Clinic", R.T.M. Nagpur University, Nagpur**
44. **Member, Preparing proposal on Developing Cenre for Excellence of our University to be submitted to SPD, RUSA, Mumbai, R.T.M. Nagpur University, Nagpur**
45. **Observer, Worked as Observer in UGC NET Examination (2009).**
46. **Organized a workshop on computer training and related skills for non-teaching staff of the University under the banner of HRD Cell.**
47. **Placement ofiicer, Department of Physics, R.T.M. Nagpur University, Nagpur**
48. **Member, "Prospective plan committee of University", R.T.M. Nagpur University, Nagpur.**
49. **Member of Nomination of Scrutiny Committee (Contactratual Teachers), Assistant Professor (Contact Basis), Faculty of Inter-Disciplinary Studies.**
50. **Member of Scrutiny Committee of Career Advancement Scheme for API Score calculation of faculty of University, R.T.M. Nagpur University, Nagpur.**
51. **Chairman, Research, Innovation and Extention Sub-Committee of NAAC, R.T.M. Nagpur University, Nagpur.**

Research Experience **: 31 years (From July 1992 to till date)**

- Department of Physics, R.T.M. Nagpur University, Nagpur-440 033, INDIA.
- Kamla Nehru College, Sakkardara Square, Nagpur-440 009, INDIA.

Achievements:

Visiting Fellow at United Kingdom, 2018

- Establishment of collaborative research work at University of Postsmoth, Postmouth, United Kingdom, under the MoU between University of Postsmoth, Postmouth, UK with R.T.M. Nagpur University, Nagpur, India as a Visiting Fellow for the duration 30th April – 20th May 2018: 21 Days.

Local Sectional Secretary, 108th Indian Science Congress 2023

Local Sectional Secretary, for the Section: Materials Sciences, for 108th Indian Science Congress, 3rd-9th January 2023.

Honor at the hands of Shri Devendra Fadnavis, Hon'ble Deputy Chief Minister, Maharashtra, India,

Received **Honor at the hands of Shri Devendra Fadnavis, Hon'ble Deputy Chief Minister, Maharashtra, India**, in appreciation for Granted/Published/Filed 52 patents, i.e. maximum papetnts in Vidrabha Maharashtra, India, as well as Participation in Jury at the **Patent and Idea Fest 2023**, at Nagpur, India on 14th August 2023

Elected Member of the Sectional Committee of the Secretary of Materials Scienc, 2023-2024

Elected Member of the Sectional Committee of the Secretary of Materials Sciences for 2023-2024, 109th Session of the Indian Science Congress.

Visiting Professor at South Korea, 2012

- As a visiting Professor, Department of Advanced Materials Engineering, Sejong University, Gunja-Dong 98, Gwangjin-Gu, Seoul,143-747, South Korea for the period 11th Aug -8th Sept 2012: 29 days.

Book Review Published on our book:

- Book Review published by **Prof. John J. Shea, U.S.A.**, on our **published book**: The fundamentals and applications of light emitting diodes: The revolution in the lighting industry, **Book Authors:** Govind B. Nair and S.J. Dhoble, published by **Elsevier, Cambridge** with **ISBN** 978-0-12-819605-2 in the year **2020**. **Book Review Published** in the **IEEE Electrical Insulation Magazine, A publication of the Dielectrics and Electrical Insulation Society**, 37(2), March/April **2021**, pp 45. ISSN 0883-7554, **New York**.

Chief Advisors

- Technoved Solutions, Nagpur, India

Honorary Scientific ad Technical Advisor

- Nucleonix System Private Limited, Hydrabad, India

Adjunct Faculty

- Mahatma Gandhi Ayurved College, Hospital and Research Centr, Salod (Hiraour), Wardha, India affailted to Datta Meghe Institute of Medical Sciences (Deemed to be University), Salod (Hiraour), Swangi (Meghe), Wardha, India.

- School of Allied Health Scieces Mahatma, Datta Meghe Institute of Medical Sciences, Swangi (Meghe), Wardha, India

Governor of Maharashtra and Chancellor of the Universities nominated Member:

Member, Board of Research of Gondwana University, India, nominated by Hon'ble Governor of Maharashtra and Chancellor of the Universities, Chancellor Office Letter no RB/GUG-2023/CR-526/Edn-1/968, on dated 14th July 2023.

Governor of Chhattisgarh nominated Member of Chhattisgarh State Level Physics Board for three years 2022-2025.

Ambassador of International Publication :

- Bentham Ambassador 2018-2019, Bentham Science Publication.

Gondwana University, Gadchiroli :

Member of Interdisciplinary Board, Gondwana University, Gadchiroli (2022-2023).

Research Project evaluation Committee, R.T.M.Nagpur University, Nagpur

Chaiman, Research Project evaluation Committee, R.T.M.Nagpur University, Nagpur

Avishkar 2024, R.T.M.Nagpur University, Nagpur, India

Chairman, Avishkar 2024, R.T.M.Nagpur University, Nagpur, India

Member of Board, R.T.M.Nagpur University, Nagpur, India

- Board of National and International Linkages, R.T.M.Nagpur University, Nagpur, India
- Board of Research, R.T.M.Nagpur University, Nagpur, India

Member, Board of Sudy in Physics :

1. R.T.M.Nagpur University, Nagpur, India
2. Bilaspur University, Bilaspur, India
3. Gondwana University, Gadchiroli, India
4. Osmania University, Hyderabad

Member of ..

Shri Ramdeobaba College of Engineering and Managment, Nagpur

Member, RAC in Physics :

- Dr.Ambedkar College Deekshabhoomi, Nagpur

- Mohata Science College, Nagpur
- Institute of Science, Nagpur

Member, DRC in Physics :

- Departmental Research Committee (DRC) member, Hemchadra Yadav University, Durg, India

Member, RRC in Physics :

- External Expert member on the Research Recognition Committee (RRC) of Physics of Department of Basic and Applied Science which is a Department of MGM University, for recognition to Ph.D. guide/Supervisor in the discipline of Physics under the faculty of Basic and Applied Sciences as per provision of MGM University, Aurangabad as per the University letter no. Ref, MG M U/Reel Ph.D/37/2021/, dated 13 May 2021.

Member at YCMOU School Council:

- Member of School Concil of School of Architecture, Science and Technology, Yashwantrao Chavan Maharashtra Open University, Nashik, M.S., India(8^{th} Feb 2018 – 7^{th} Feb 2020).

Honor :

- Member, Internal Quality Assurance Cell (IQAC), Dharmpeth M.P. Deo Memorial Science College, Nagpur-440033, India.

- Member, Internal Quality Assurance Cell (IQAC), Dr. Amberdkar College, Deekshabhoomi, Nagpur-440010, India.

Experts:

- 14^{th} Chhattisgarh Young Scientists Congress-2016 (CYSC-2016), for the subject: Physics as well as Intersisciplinary Science, Organised by : Chhattisgarh Counsil of Science and Technology, Bilaspur Vishwavidyalaya, Bilaspur (C.G.), 28^{th}-29^{th} Feb 2016.

- 15^{th} Chhattisgarh Young Scientists Congress-2017 (CYSC-2017), for the subject: Physics, Organised by : Chhattisgarh Counsil of Science and Technology at Rungta College of Engineering and Technology , Bhilai, (C.G.), 28^{th}-1^{st} March 2017.

Member of Research Advisory Committee :

- Shree Mathuradas Mohota College of Science, Nagpur, India
- Institute of Scince, Nagpur, India
- Dr. Amberdkar College, Nagpur, India.

Member of College Development Committee (C.D.C.) :

- Bhalerao Science College, Saoner, Dist. Nagpur, India

International Research Project Reviewer:

- Worked as a reviewer for the research proposal 2013 of **Physical Behavior of Materials, Department of Energy, Basic Energy Sciences SC-22/Germantown Building ,U.S. Department of Energy**, 1000 Independence Avenue, **SW Washington, DC 20585-1290**

- Worked as a reviewer for **South Africa/China Research Partnership Programme** research proposal, 2013.

- Worked as a reviewer for **National Science Center, Poland,** research proposal, 2020.

Training:

- Training on 'Laser Diagnostics of combustion Processes' (1-5 Mar 1999) at **International Centre for Science and High Technology, Trieste, Italy.**

- Training on TEMoo CD Nd : YAG Laser from 2-6 Nov 1998 at **Centre for Advanced Technology, Indore, India.**

Areas of research interest:

- Synthesis and characterization of nanostructure luminescent materials for LEDs.
- Synthesis and spectroscopic characterization of phosphors for solar cell.
- Development of nanomaterials for bioapplications.
- Preparation and characterization of thermoluminescence radiation dosimetry phosphors.
- Preparation and characterization of inorganic and organic lamp phosphors.
- Development of Optoelectronic materials.
- Synthesis and luminescence studies of phototherapy lamp phosphors.
- Development of devices for measuring luminescence.
- Development of lyoluminescence and mechanoluminescence radiation dosimetry phosphors.
- Plant cutivations
- Utilization of fly ash.
- Development of sustainable materials from waste materials.
- Water purification.

Place of research Collaborations:

1. **University of Portsmouth**, Portsmouth PO1 3QL, **United Kingdom**
2. Department of Physics, **University of the Free State**, P.O. Box 339, Bloemfontein 9300, **South Africa**
3. Department of Physics, **Nikolaev Institute of Inorganic Chemistry**, Acad. Lavrentiev Avenue 3, Novosibirsk 630090, **Russia**

4. Department of Nanotechnology and Advanced Materials Engineering, **Sejong University**, Seoul-143-747, **South Korea**
5. Department of Physics, Department of Chemical Engineering, **Konkuk University**, Seoul 143-701, **South Korea**
6. **Department of Metallurgy Materials Division**, Nuclear Research Center, Atomic Energy Authority of Egypt, **Egypt**
7. Institute of Optoelectronics, Military University of Technology, **Poland.**
8. Ghent University, **Belgium**
9. University of Malaya, 50603 Kuala Lumpur, **Malaysia.**
10. Microbiology and Biotechnology at King Saud University, Riyadh, **Saudi Arabia**
11. **Bhabha Atomic Research Centre** (BARC), Trombay, Mumbai, India
12. **National Physical Laboratory**, New Delhi, India
13. **Inter-University Accelerator Centre (**Nuclear Science Centre**)**, New Delhi, India
14. **National Environmental Engineering Research Institute** (NEERI), Nagpur, India
15. **Department of Metallurgical and Materials Engineering, VNIT**, Nagpur, India.
16. **Department of Physics and Electronics, DAV College**, Amritsar, Punjab, India
17. **Department of Physics, SGB Amravati University**, Amravati, MS, India
18. **Department of Physics, Government Science P.G. College**, Bilaspur, India
19. **Department of Physics, Rani Durgavati University** , Jabalpur, India
20. **Department of Physics, Pt. R.S. University** , Raipur, India
21. **Department of Physics, O.P.J.Jindal University,** Raigarh, C.G.

Research Guidance:

Ph.D. Awarded:

1. **Mr. A. K. Panigrahi**: Studies on the ML of γ-irradiated Dy activated potassium magnesium mixed sulphates.Guru Ghasidas University, Bilaspur, Chhatisgarh. **Degree awarded in November, 2002.**

2. **Mr. G. V. Bramhe**: Preparation and Characterization of rare earth activated aluminate phosphors. Nagpur University, Nagpur, **Degree awarded in November, 2006.**

3. **Mr. J. Mahakhode** (in Electronic): Synthesis and characterization of phosphors for optoelectronic display devices, Nagpur University, Nagpur.**Degree awarded in February, 2008.**

4. **Mr. S. C. Gedam**: Synthesis and characterization of sulphate based phosphors, Nagpur University, Nagpur. **Degree awarded in June, 2008.**

5. **Mr. P. B. Dahikar** (in Electronic): Development of phosphor and PC based instrumentation for radiation dosimetry, Nagpur University, Nagpur, **Degree awarded in August, 2008.**

6. **Mr. S. A. Siddiqui**: Preparation and mechanoluminescence charactrization of tungstate phosphors, Guru Ghasidas University, Bilaspur. **Degree awarded in Feb, 2009.**

7. **Mr. A. Upadhyay**: Synthesis and luminescence characterization of sulphate based phosphors, Guru Ghasidas University, Bilaspur. **Degree awarded in May, 2010.**

8. **Mr. I. M. Nagpure**: Synthesis and characterization of inorganic red phosphors, RTM Nagpur University, Nagpur, **Degree awarded in June, 2010.**

9. **Mr. Vikas Gulhare**: Synthesis and characterization of vanadates based phosphors, Guru Ghasidas University, Bilaspur. **Degree awarded in Dec., 2010.**

10. **Mr. Abhay D. Deshmukh**: Development of microcrystalline and nanostructured aluminates luminescence materials, RTM Nagpur University, Nagpur, **Degree awarded in Sept, 2011.**

11. **Mr. Kartik N. Shinde**: Development of rare earth activated phosphate based phosphors for lamp and TLD application, RTM Nagpur University, Nagpur, **Degree awarded in Jan., 2012.**

12. **Mr. H. K. Dahule**: Synthesis and characterization of iridium based complexes for optoelectronics devices, RTM Nagpur University, Nagpur, **Degree awarded in June 2012.**

13. **Mr. Vijay B. Pawade**: Development of blue emitting lamp phosphors, RTM Nagpur University, Nagpur, **Degree awarded in July 2012.**

14. **Mr. P. Nimishe**: Development of tungstate based luminescent materials and their applications, Nagpur University, Nagpur **Degree awarded in July 2012.**

15. **Mr. P. W. Yawalkar**: Development of organic materials for flat panel display devices, Nagpur University, Nagpur, **Degree awarded in August 2012.**

16. **Mr. S. P. Puppalwar**: Development of tissue equivalent phosphors for the thermoluminiscence dosimetry of ionizing radiations, RTM Nagpur University, Nagpur, **Degree awarded in December 2012.**

17. **Ms. Chitra V. Bawankar,** Development of Organic Luminescent Phosphor Material**,** RTM Nagpur University, Nagpur, **Degree awarded in March 2013.**

18. **Mr. Pradeep S. Thakare,** Luminescence characterization of halosulphate based phosphors, RTM Nagpur University, Nagpur, **Degree awarded in May 2013.**

19. **Mr. Atul N. Yerpude**, Development and chracerization of inorganic long lasting phosphors**,** RTM Nagpur University, Nagpur, **Degree awarded in Feb. 2014.**

20. **Mr. Ritesh L. Kohale**, Synthesis of rare earth activated pyrophosphate phosphors for lighting; RTM Nagpur University, Nagpur, **Degree awarded in Feb. 2014.**

21. **Miss. Roshani A. Singh,** Luminescence characterization of rare earth activated vanadate based phosphors for solid state lighting, RTM Nagpur University, Nagpur, **Degree awarded in July 2014.**

22. **Mr. Prashant M. Bhujbal,** Lyoluminescence characterization of alkali halides based phosphors for mechanoluminescence, lyoluminescence and thermoluminescence dosimetry, RTM Nagpur University, Nagpur, **Degree awarded in September 2014.**

23. **Ms. Swati K. Raut,** Development of silicate based luminescence materials and their applications, RTM Nagpur University, Nagpur, **Degree awarded in December 2014.**

24. **Mr. V. V. Shinde,** Synthesis of nanostructure optoelectronic materials and development of related instrumentation**,** RTM Nagpur University, Nagpur, **Degree awarded in April 2015.**

25. **Mr. Dewrao M. Pimpalshende,** Study of photoluminescence stability of some luminescent material, RTM Nagpur University, Nagpur, **Degree awarded in November 2015.**

26. **Mr. Sureshkumar Ramkripal Choubey**, Innovative synthesis of some mixed anion sulphate based phosphors; RTM Nagpur University, Nagpur, **Degree awarded in March 2016.**

27. **Mr. Bhushan P. Kore,** Synthesis of inorganic phosphors for TL dosimetry and analysis of trapping parameters**,** RTM Nagpur University, Nagpur, **Degree awarded in June 2016.**

28. **Mr. Kamlesh V. Dabre,** Synthesis, morphology and spectroscopic characterization of rare earth ions in micro and nano structured tungstate phosphors, RTM Nagpur University, Nagpur, **Degree awarded in June 2016.**

29. **Mr. Vishal Ramchandrarao Panse,** Preparation and luminescence characterization of green emitting phosphors for solid state lighting. RTM Nagpur University, Nagpur, **Degree awarded in September 2016.**

30. **Mrs. Anuradha Ramesh Poddar**, Synthesis Route of Halophosphors and their Applications, RTM Nagpur University, Nagpur, **Degree awarded in November 2016.**

31. **Ms. Urvashi Pradip Manik**, Study of Energy Transfer Mechanism in Inorganic Phosphors, RTM Nagpur University, Nagpur, **Degree awarded in November 2016.**

32. **Ms. Varsha Chintaman Kongare**, Photoluminescence and Thermoluminescence Characteristics of Some Mixed Alkaline Earth Sulphates, RTM Nagpur University, Nagpur, **Degree awarded in November 2016.**

33. **Mrs. Swati A. Fartode,** Development of nitride based phosphors for lamp and radiation dosimetry, RTM Nagpur University, Nagpur, **Degree awarded in December 2016.**

34. **Mr. Gangadhar Narayan Nikhare,** Luminescence of Ce^{3+} in some sulphate and aluminate based materials, RTM Nagpur University, Nagpur, **Degree awarded in January 2017.**

35. **Ms. Aparna Madhukar Bhake**, Photoluminescence and thermoluminescence characterizations of pyrophosphate and chlorosulphate phosphors, RTM Nagpur University, Nagpur, **Degree awarded in February 2017.**

36. **Mr. Javaid Ahmad Wani**, Luminescent properties of rare earth activated sulphate and phosphate based phosphors, Gondwana University, Gadchiroli, **Degree awarded in February 2017.**

37. **Ms. Shilpa Amrutlal Pardhi**, Theoretical approach and luminescence characterization of rare earth activated sulphate and aluminate based phosphors, RTM Nagpur University, Nagpur, **Degree awarded in April 2017.**

38. **Mrs. V. V. Rangari,** Development of display device phosphors and related instrumentation**, Degree awarded in May 2017.**

39. **Mr. Tushar R. Shelke**, Development of fluoride and vanadate based phosphors for thermoluminescence dosimetry, RTM Nagpur University, Nagpur, **Degree awarded in May 2017.**

40. **Ms. Abha H. Oza,** Influence of rare earth and Cu^{+} ions in borate materials as lamp and TLD phosphors**,** RTM Nagpur University, Nagpur, **Degree awarded in July 2017.**

41. **Mr. Rajshekhar S. Ukare,** Synthesis and characterization of rare earth activated oxide based phosphors for solid state lighting, RTM Nagpur University, Nagpur, **Degree awarded in August 2017.**

42. **Ms. Abilasha P. Jain**, Synthesis and characterization of inorganic-organic hybrid composite nano phosphors for photonic applications, Visvesvaraya National Institute of Technology, Nagpur, **Degree awarded in August 2017.**

43. **Mr. Govind B. Nair,** Development of eco-friendly phosphors for LED based applications**,** RTM Nagpur University, Nagpur, **Degree awarded in April 2018.**

44. **Ms. Priyanka D.Bhoyar,** Synthesis and theoretical approach of luminescent materials**,** RTM Nagpur University, Nagpur, **Degree awarded in May 2018.**

45. **Mrs. Mansi M. Kolte,** Synthesis and theoretical approach of luminescent materials**,** RTM Nagpur University, Nagpur, **Degree awarded in May 2018.**

46. **Mr. Suyash Y. Mullemwar**, Synthesis and characterization of organic luminescent phosphor for near UV LED lighting, R.T.M. Nagpur University, Nagpur, **Degree awarded in July 2018.**

47. **Mrs. Mrunal M. Yawalkar,** Luminescence in Lithium based mixed borate phosphors and their applications, R.T.M. Nagpur University, Nagpur, **Degree awarded in August 2018.**

48. **Mr. Ishwardatta H. Dhadade,** Synthesis and characterization of phosphors in YZO_3-$AlZO_3$, R.T.M. Nagpur University, Nagpur, **Degree awarded in September 2018.**

49. **Ms. Dipti Y. Chitnis,** Synthesis and characterization of red light emitting europium activated complexes for OLED devices and displays, R.T.M. Nagpur University, Nagpur, **Degree awarded in November 2018.**

50. **Mr. Anup P. Bhat,** Development of smart instrumentation technology for nano-structure antenna and solar cell, R.T.M. Nagpur University, Nagpur, **Degree awarded in November 2018.**

51. **Ms. Sumedha J. Tamboli,** Role of lanthanides ($Ln^{2+,3+}$) in luminescence processes and their applications, R.T.M. Nagpur University, Nagpur, **Degree awarded in May 2019.**

52. **Mr. Karan Kumar Gupta,** Ionizing radiation induced luminescence study of inorganic phosphor, RTM Nagpur University, Nagpur, **Degree awarded in June 2019.**

53. **Ms. Rukmini G. Kunghatkar,** Development of Gd^{3+} and Eu^{3+} activated inorganic phosphors for phototherapy**;** RTM Nagpur University, Nagpur, **Degree awarded in Novemer 2019.**

54. **Ms. Sonal P. Gawande,** Synthesis of downshifiting materials for enhancing the solar cell efficiency, RTM Nagpur University, Nagpur, **Degree awarded in January 2020.**

55. **Mr. Mangesh Manohar Yerpude**, Theoretical approach and luminescence characterization of lithium based phosphors, RTM Nagpur University, Nagpur, **Degree awarded in May 2020.**

56. **Mr. Damodhar B. Zade**, Photoluminescence properties of blue emitting lamp phosphors, Gondwana University, Gadchiroli, **Degree awarded in July 2020.**

57. **Mr. Manohar D.Mehare,** Development of Advanced Carbon Nanomaterials and their composite for Supercapacitor, R.T.M. Nagpur University, Nagpur, **Degree awarded in July 2020.**

58. **Mr. Mubeen Mohammad,** Development of Upconverting Materials and Undertaking their Mechanism, R.T.M. Nagpur University, Nagpur, **Degree awarded in July 2020.**

59. **Mr. Halim S. Ahamad,** Synthesis and Electric- Magnetic, Behaviour of Nanostructured Superparamagnetic Ferrites, R.T.M. Nagpur University, Nagpur, **Degree awarded in July 2020.**

60. **Ms. Vrushali R. Yerpude**, Cu^{+} Luminescence in halosulphate and halophosphate based phosphors, R.T.M. Nagpur University, Nagpur, **Degree awarded in September 2020.**

61. **Ms. Minakshi Vitthalrao Ghate**, Synthesis and electroluminescence study of blue organic phosphor material for OLED`s, R.T.M. Nagpur University, Nagpur, **Degree awarded in October 2020.**

62. **Mr. Suresh Baliram Bankar,** Synthesis and characterization of co-AI substituted Y-type nanosize calcium hexaferrites using sol-gel autocombustion method, R.T.M. Nagpur University, Nagpur, **Degree awarded in February 2021.**

63. **Mr. Akhilesh Anilrao Ugale,** Synthesis and characterization of $RE(TTA)_3L$ ($RE=Eu^{3+}/Sm^{3+}$, L=dpphen, Phen No, distyphen) hybrid complexes for red light emitting diodes, R.T.M. Nagpur University, Nagpur, **Degree awarded in February 2021.**

64. **Ms. Neha Balkrishna Khotele**, Synthesis and characterization of iridium complexes for fabrication of OLEDs, RTM Nagpur University, Nagpur, **Degree awarded in March 2021.**

65. **Smt. Swati Vijay Joshi,** To prepare composites from fly ash and to study its properties and its utility, RTM Nagpur University, Nagpur, **Degree awarded in May 2021.**

66. **Ms. Rashmi Anand Wanjari**, Investigations on Optimization Strategy of Electromagnetic Radiation on Luminescent Bacteria for the Development of Prospective Biosensor, RTM Nagpur University, Nagpur, **Degree awarded in November 2021.**

67. **Mrs.Arati M. Duragkar,** Novel synthesis and luminescence characterization of rare earth activated inorganic phosphors, RTM Nagpur University, Nagpur, **Degree awarded in March 2022.**

68. **Mr.Digambar A. Ovhal**, Thermoluminescence in some rare earth doped mineral based phosphors, RTM Nagpur University, Nagpur, **Degree awarded in March 2022.**

69. **Mr. Yatish Ratan Parauha,** Development of color-tunable phosphors for white-light emitting diodes (WLEDs), RTM Nagpur University, Nagpur, **Degree awarded in November 2022.**

70. **Mr. Abhijeet Rameshrao Kadam,** Effect of activators and theoretical apporoch in luminescent downconversion phosphors and there applications, O.P.Jindal University, Raigarh, C.G., India**, Degree awarded in May 2023.**

71. **Ms. Pranali Krishnarao Tembhurne,** Development of low coercive micro and nano structure for biomedical application, RTM Nagpur University, Nagpur, **Degree awarded in June 2023.**

72. **Mrs. Chaitali Manohar Mehare,** Chemical route synthesis and luminescence characterization of rare-earth activated TLD and LED phosphors, O.P.Jindal University, Raigarh, C.G., India**, Degree awarded in June 2023.**

73. **Mr.Prashantkumar G. Shinde,** Quatification of dosimetric impact of 6-dimentional interfraction and intrafaction tumor localization error in treatment of radiotherapy and radiosurgery using Kilo Voltage cone beam compounded tomography, RTM Nagpur University, Nagpur, **Degree awarded in September 2023.**

74. **Ms. Deepa B. Bailmare**, Metal Oxide hydroxide based electrode materials for supercapacitors,RTM Nagpur University, Nagpur, **Degree awarded in September 2023.**

75. **Mr.Sushant Rajendra Bargatm** Spectroscopy investigation of sulphate based luminescencent phosphors, O.P.Jindal University, Raigarh, C.G., India**, Degree awarded in September 2023.**

Ph.D.Thesis Submitted :

76. **Ms. Sadaf Gauhar Mohd. Mushtaque**, Energy transfer mechanism in Ln^{3+} doped mixed metal phosphates, RTM Nagpur University, Nagpur, **Vide No. RTMNU/Ph.D. Cell/RRC/May--2019/250, Dated 08 May 2019 (Date of registration 08-05-2019).**

77. **Ms. Tresa Anil Joseph,** Development and luminescence characterization of nano-and-micro-sized thermoluminescence dosimetry phosphors by low-cost synthesis route, RTM Nagpur University, Nagpur, **Vide No. RTMNU/Ph.D. Cell/RRC/Oct.--2018/648, Dated 14 December 2018 (Date of registration 30-10-2018).**

Registered for Ph.D.:

78. **Mr. Amol Vitthal Nande**, The exploration of experimental, structural and theoretical evolution of luminescence property of power saving LED phosphor, RTM Nagpur University, Nagpur, **Vide No. RTMNU/Ph.D. Cell/RRC/May--2019/257, Dated 08 May 2019 (Date of registration 08-05-2019).**

79. **Mr. Ravindra Bhagwat Shende**, Study of Monte Carlo simulation approach for dosimetric characterization and evaluation of radiation dose delivery in cancer phototherapy, RTM Nagpur University, Nagpur, **Vide No. RTMNU/Ph.D. Cell/RRC/R1/947, Dated 23 May 2022 (Date of registration 16-03-2022).**

80. **Mr. Sanket Jayantrao Helode**, Study of Monte Carlo simulation approach for dosimetric characterization and evaluation of radiation dose delivery in cancer phototherapy, RTM Nagpur University, Nagpur, **Vide No. RTMNU/Ph.D. Cell/RRC/R1/988, Dated 23 May 2022 (Date of registration 16-03-2022).**

81. **Mr. Rahul Vilas Tikale**, Role of lanthanide in luminescent downconversion halophosphor for WLEDs and photovoltaic applications, RTM Nagpur University, Nagpur, **Vide No. RTMNU/Ph.D. Cell/RRC/2022/R1/1034, Dated 24 May 2022 (Date of registration 17-03-2022).**

82. **Mr. Yash Dewanand Narad**, Investigation on luminescence of oxide and perovskite materials for WLED nad solar cell applications, RTM Nagpur University, Nagpur, **Vide No. RTMNU/Ph.D. Cell/RRC/Aug--2023/R1/1041, Dated 14 September 2023 (Date of registration 24-08-2023).**

Ph.D. Students received research fellowship

Sr. No.	Name of Student	Under scheme or Project	Funding Agency	Working date
1.	**Mr. Javaid Wani**	UGC - JRF-SRF	**UGC**	4/5/2011 to 31/01/2014
2.	**Mr. Bhushan Kore**	BRNS - JRF-SRF	**BRNS**	20/10/2011 to 24/04/2014
3.	**Mr. Govind Nair**	DST INSPIRE - JRF	**DST**	28/4/2015 to 27/03/2018
4.	**Mr. Karan Kumar Gupta**	IUAC- Project Fellow	**IUAC**	25/11/2014 to 21 08/2017
5.	**Ms. Rukmini Kunghatkar**	CSIR- SRF	**CSIR**	31/03/2017 to 31/03/2019
6.	**Mr. Mangesh Yerpude**	UGC-JRF-SRF	**UGC**	1/11/2013 to 1/11/2018
7.	**Mr. Yatish Ratn Parauha**	DST INSPIRE - JRF	**DST**	12/9/2018 to 8/12/2020
8.	**Mr. Abhijeet R. Kadam**	DST Project Fellow	**DST**	19/06/2019 to 31 March 2022
9.	**Mr. Yatish Ratn Parauha**	DST INSPIRE - SRF	**DST**	8/12/2020 to 22/10/2022

Name of Students invited for Post-Doctoral Work in Abroad

Sr.No.	Name of Student	Year of Ph.D. Awarded	Place of Post Doc in Abroad
1.	**Dr. I. M. Nagpure**	2010	Department of Physics, University of the Free State, Bloemfontein, **Republic of South Africa**
2.	**Dr. A. D. Deshmukh**	2011	Department of Chemistry National Taiwan Normal University, **Taiwan**
3.	**Dr. K. N. Shinde**	2012	Department of Nanotechnology and Advanced Materials Engineering, Sejong University, Seoul, **South Korea**
4.	**Mr. Bhushan P. Kore**	2015	Department of Physics, University of the Free State, Bloemfontein, **Republic of South Africa**
5.	**Dr.Govind B. Nair**	2018	Department of Physics, University of the Free State, Bloemfontein, **Republic of South Africa**
6.	**Mr. Karan Kumar Gupta**	2018	Department of Chemical Engineering, College of Engineering, National Taiwan University, **Taiwan**

7.	**Dr. Bhushan P.Kore**	2019	Division of Applied Physical Chemistry KTH Royal Institute of Technology Teknikringen 30 SE-100 44 Stockholm, **Sweden**
8.	**Ms.Sumedha Tamboli**	2022	Department of Physics, University of the Free State, Bloemfontein, **Republic of South Africa**
9.	**Dr. Bhushan P. Kore**	2022	Division Photovoltaics Fraunhofer Institute for Solar Energy Systems ISE Heidenhofstr. 2, 79110 Freiburg, **Germany**

Research students received prestigious Dr.D.S. Kothari Post Doctoral Fellowship

Sr.No.	Name of Student	Place of Dr.D.S. Kothari Post Doctoral Fellowship
1.	**Dr. A. D. Deshmukh**	I.I.Sc., Bangalore in 2013
2.	**Dr. Bhushan P. Kore**	I.I.Sc., Bangalore in 2015

Patent Granted/Published/Filed: 58

Granted = 28 (01 South Korean, 07 South African, 13 Australian and 07 Indian)

Published = 22

Filed/ Submiited = 08

Sr.	Name of Inventors	Date of patent filled	Patent application number	Status of Patent	Date of Patent Granted /Published	Patent number	Title of patent
1.	Kyeong Soon Park, Ki Young Kim, **Sanjay Janrao Dhoble** and Kartik N.	21/09/ 2012	1020120105 443	**Granted**	25/04/2014	1013825 830000	Method for manufacturing phosphor powder containing metal ion using solution combustion method and

	Shinde						phosphor powder by same
2.	Alisha Nanwani, Abhay D. Desmukh, Kavita Pande, **Sanjay J. Dhoble** and Dilip R.Peshwe	11/06/ 2018	201821021689	**Granted**	02/09/2020	345946	Asymmetric supercapacitor with layered double hydroxide (LDH) electrode
3.	A.R. Kadam, Girish C. Mishra, S. J. Dhoble	**04/09/ 2019**	201921035528 TEMP/E-1/37624/2019-MUM	**Granted**	04/11/2020	350918	Process for synthesis of Ce^{3+}, Eu^{2+} co-doped $BaSiF_6$ phosphor
4.	Amit R. Bansod, Atul R. Khobragade, S. J. Dhoble and Omprakash P. Chimankar	10/01/ 2021	2021100121 IP Australian Batch Reference SPBI-0002448862 Reference BLIIP48	**Granted**	31-03-2021	: 2021100 121 Australi an Patent	Development of water based ferrofluid for efficient heat transfer
5.	Samirkumar R. Bhelave, Abhijeet R. Kadam, Atul N. Yerpude, Sanjay J. Dhoble	03/04/ 2021	2021101716	**Granted**	05-05-2021	2021101 716 Australi an Patent	Synthesis of Eu^{3+}-Tb^{3+} activated/co-activated $Ca_{14}Zn_6Al_{10}O_{35}$ white light emitting phosphors
6.	Sanjay J. Dhoble Ramkumar B. Kamble Abhijeet R. Kadam Vibha Chopara	30/04/ 2021	2021102302 IP Australia Batch Reference SPBI-0002546888 BLIIP 107 AUSPAT 2021102302	**Granted**	02-06-2021	2021102 302 Australi an Patent	RGB emission andsolar efficiency enhancement in Eu^{3+}, Tb^{3+}co-activated K_2NaAlF_6 down conversion phosphors by energy transfer

							mechanism
7.	Yatish R. Parauha Vishal R. Panse Sanjay J. Dhoble	19/05/ 2021	2021102695 IP Australia Batch Reference SPBI-0002560548 BLIIP 112 AUSPAT 2021102695	**Granted**	23-06-2021	2021102 695 Australi an Patent	A potential blue-emitting phosphor Na_2CaSiO_4: Eu^{2+}, Ce^{3+} phosphor with tunable emission for UV/NUV based white LED and solar applications
8.	Abhijeet R. Kadam Digambar A. Ovhal Nirupama S. Dhoble Sanjay J. Dhoble	19/05/ 2021	2021102696 IP Australia Batch Reference SPBI-0002560550 BLIIP 113 AUSPAT 2021102696	**Granted**	23-06-2021	2021102 696 Australi an Patent	A solar cell efficiency enhancement by downshifting layer of $KALF_4$:DY^{3+}, EU^{3+} co-activated downconversion phosphor as spectral converters
9.	Yatish R. Parauha Sonal P Tatte Nirupama S. Dhoble Sanjay J. Dhoble	19/05/ 2021	2021102697 IP Australia Batch Reference SPBI-0002560552 BLIIP 114 AUSPAT 2021102697	**Granted**	23-06-2021	2021102 697 Australi an Patent	A low-cost blue-emitting Eu^{2+} - activated phosphor for NUV excited WLEDs and solar cell applications
10.	Mr. Sushant R. Bargat,, Dr. Nayana S. Shirbhate, Mr. Yatish R. Parauha, Dr. Sanjay J. Dhoble	01 /07/20 21	2021103790 IP Australia Batch Reference AMCZ-2110261170	**Granted**	04-08-2021	2021103 790 Australi an Patent	A Synthesis of Green Exciting Eu^{2+}Activated Far Red Color Emitting $CaMg_2(SO_4)_3$ Phosphor for Plant Cultivation

			APSZ-2110261158				
11.	Chaitali M. Mehare , Yatish R. Parauha, Manohar D.Mehare, N.S.Dhoble, **Sanjay. J. Dhoble**	**10/09/2019**	201921036337 TEMP/E-1/38336/2019-MUM	**Granted**	17/09/2021	Patent Number: 377219 Application number : 201921036337	Process for synthesis of Eu^{2+} activated $K_6Ca_4(SO_4)_6F_2$ down-conversion phosphor for white light emitting diodes
12.	Yatish R. Parauha Manohar D. Mehare **Sanjay. J. Dhoble**	**19/07/2019**	**201921029248** **TEMP/E-1/30874/2019-MUM**	**Granted**	01/10/2021	Patent Number: 378533 Application number 201921029248	**Synthesis of blue-emitting Eu^{2+} activated $Ca_3Al_2O_6$ down-conversion phosphor for white light emitting diodes**
13.	Deepak R. Taikar, Jayant G. Mahakhode, Dharma K. Halwar, **Sanjay J. Dhoble**	24/08/2021	2021106714 IP Australia Batch Reference SPBI AMCZ-2110387321 APSZ-2110387271	**Granted**	24/11/2021	2021106714 Australian Patent	Synthesis and energy transfer from Pb^{2+} to Dy^{3+} ions in $CaTiO_3$ phosphor for white light LED
14.	Ashish B. Chourasia, Dheeraj J. Dhiman, Yatish R. Parauha, Prashant Bokare,	24/08/2021	2021106705 IP Australia Batch Reference AMCZ-2110387264	**Granted**	24/11/2021	2021106705 Australian Patent	Synthesis process of down-conversion $Ba_3NaLa(PO_4)_3F$ phosphor for enhancement in solar cell

	Sanjay J. Dhoble		APSZ 2110387241				efficiency
15.	Chaitali M. Mehare, Renu Nayar, Sushama C. Kulkarni, Vaishali T. Salunke, Nirupama S. Dhoble and **Sanjay J. Dhoble**	24/08/ 2021	2021106725 , IP Australia Batch Reference SPBI AMCZ-2110387361 APSZ-2110387337	**Granted**	24/11/2021	2021106725 Australian Patent	A synthesis of $CaAl_2Si_4O_{12}:Dy^{3+}$ blue phosphor for LED application
16.	Vaishali Vishal Pimple, Archana S. Kulkarni, Anup P.Bhat, **S. J. Dhoble**	24/08/ 2021	2021106927 IP Australia Batch Reference SPBI 2110390528 APSZ-2110387368	**Granted**	01/12/2021	2021106927 Australian Patent	Process for preparation of antimicrobial nanoemulsion
17.	Vaishali Vishal Pimple, Archana S. Kulkarni, Anup P. Bhat, **S. J. Dhoble**	24/08/ 2021	2021106936 IP Australia Batch Reference SPBI AMCZ-2110390584 APSZ-2110387372	**Granted**	01/12/2021	2021106936 Australian Patent	Nanoemulsion composition and method of preparation thereof
18.	Nishikant A. Raut, Bharat A. Bhanvase, Dadasaheb M. Kokare and **Sanjay J. Dhoble**	10/04/ 2020	202021015725 TEMP/E-1/16936/2020-MUM	**Granted**	29/11/2021	382970	A drone-based disinfection device

19.	**S. J. Dhoble**, Toshi S. Dhapodkar, Abhijeet R. Kadam, Radhika G. Deshmukh and N.S. Shirbhate	25/01/ 2022	2022/01063 1686LPS Sr J Number 66832940 Doc Reference P223893952 File reference 2022\01063	**Granted**	30/03/2022	2022/01063 South African Patent	Highly efficient far-red emitting $Mg_{21}Ca_4Na_4(PO_4)_{18}$: Ce^{3+}, Eu^{3+} phosphor for plant cultivation
20.	Dr. Sarang J. Deshpande, **Dr Sanjay J. Dhoble**, Dr Archana S. Deshpande, Dr Mohan R. Yende, Dr Deepali M.Giri, Dr Shrirang Chhapekar, Dr Sayali P. Joglekar	19/05/ 2021	2021102698 IP Australia Batch Reference SPBI-0002560556 BLIIP 111 AUSPAT 2021102698	**Granted**	15/06/2022	2021102698 Australian Patent	A pharmaceuticaldisinfectant UV chamber
21.	Vijay B.Pawade, Kapil S.Janbandhu, **Sanjay J.Dhoble,** Atul N.Yerpude, and Prashant S.Bokare	01/08/ 2022	2022/08575	**Granted**	26/10/2022	2022/08575	Synthesis process and 808 nm Laser light excited novel broadband emitting Ho^{3+} /Yb^{3+} /Nd^{3+} co-doped $KaLF_4$ up-converting phosphor for bio imaging and display applications
22.	Shruti Tanwar, Yatish R.Parauha, Yogesh There, Prashant S.Bokare and **Sanjay J. Dhoble**	01/08/ 2022	2022/08578	**Granted**	26/10/2022	2022/08578	Cymbopogon citiratus plant-mediated synthesis process of Al_2O_3:Eu phosphors for enhancing WLED and Solar cell efficiency

23.	Vibha Chopra, **Sanjay J.Dhoble** and Prashant S.Bokare	01/08/ 2022	2022/08577	**Granted**	26/10/2022	2022/08 577	A low cost UVC based air purifier
24.	Pankaj Devidas Ghate, Vijay Bhaurao Pawade, **Sanjay J.Dhoble**	12/08/ 2020	2020210347 11 TEMP/E-1/38587/2020-MUM	**Granted**	20/03/2023	425881	A process for synthesis of oxides nanostructure material
25.	Abhilasha Jain, Chaitali M. Mehare, Neelu Singh, Nirupama S.Dhoble, **Sanjay J. Dhoble**	12/08/ 2020	2020210347 12 TEMP/E-1/38597/2020-MUM	**Granted**	29/03/2023	427587	A process for synthesis of dehydrated luminescent chabazite phosphor
26	Dr. Manju N. Dubey, **Dr. Sanjay J. Dhoble**	11/07/ 2022	2022/12118	**Granted**	31/05/2023	2022/12 118 South Africa Patent	Design of automatic library bookshelf cleaning robotic device
27	Prashant N. Parale, Abhijeet R. Kadam, Kamlesh V. Dabre, Abhivilas S. Nakhate, **Sanjay J. Dhoble**	11/07/ 2022	2022/12119	**Granted**	31/05/2023	2022/12 119 South Africa Patent	Synthesis process of orange-deep red emitting Sm^{3+}, Eu^{3+}, Pr^{3+} triple activated $KBa_2(PO_3)_5$ phosphite glass for WLEDs
28	Dr Sonali Chalakh, **Dr Sanjay J. Dhoble**	11/07/ 2022	2022/12120	**Granted**	31/05/2023	2022/12 120 South Africa Patent	Design of Kati Basti Instrument for low back pain
29.	Anup P. Bhat and **S.J. Dhoble**	19/12/ 2016	TEMP/E1/427182016	**Published**	22/06/2018	2016210 43369	Low-cost microcontroller based electroluminescent Instrument

30.	Anup P. Bhat and **S. J. Dhoble**	04/03/ 2019	201921008363 TEMP/E-1/8964/2019-MUM	**Published**	17/05/2019	201921008363 A	Microcontroller based high voltage pulse electric field generator
31.	Anup P.Bhat, Kishor G. Rewatkar and **S. J. Dhoble**	04/03/ 2019	201921008359 TEMP/E-1/8997/2019-MUM	**Published**	17/05/2019	201921008359 A	Metamaterial based 5G antennas for mobile Networking
32.	Govind B.Nair, Anup P.Bhat and **S. J. Dhoble**	04/03/ 2019	201921008358 TEMP/E-1/9012/2019-MUM	**Published**	14/06/2019	201921008358 A	GSM-based streetlight wireless command and control system
33.	Anup P. Bhat, Kishor G. Rewatkar, **S. J. Dhoble**, N.G. Dumore and M.N.Dumore	04/03/ 2019	201921008372 TEMP/E-1/8966/2019-MUM	**Published**	14/06/2019	201921008372 A	Micro-strip antenna application system for use in breast cancer detection
34.	Archana S. Deshpande, Yatish R. Parauha, Sarang J. Deshpande, Nirupama S. Dhoble and **Sanjay J. Dhoble**	23/05/ 2019	201921020429 TEMP/E-1/21472/2019-MUM	**Published**	25/10/2019	201921020429 A	Method for the synthesis of degradable black pepper composite material
35.	**Sanjay. J. Dhoble** Govind B. Nair, Vibha. Chopra, Anup P. Bhat, Nirupama. S. Dhoble	**19/07/ 2019**	**201921029249 TEMP/E-1/30895/2019-MUM**	**Published**	25/10/2019	201921029249 A	**Automatic microcontroller -based ice defrosting instrument**
36.	Akhilesh Ugale, N. Thejo Kalyani and **S.J. Dhoble**	**07/08/ 2019**	**201921032009 TEMP/E-1/33264/201**	**Published**	01/11/2019	201921032009 A	Synthesis of $Eu(TTA)_3dmphen$ hybrid organic complex

			9-MUM				
37.	Kena J. Shukla, A.R. Kadam and **S. J. Dhoble**	17/02/2020	202021006706 TEMP/E-1/7044/2020-MUM	**Published**	19/06/2020	202021006706A	System for energy harvesting
38.	Vibha Chopra and **Sanjay J.Dhoble**	22/04/2020	020201101735 TEMP/E-1/18742/2020-DEL	**Published**	26/06/2020	020201101735A	A sanitization device based on UV radiations
39.	Vibha Chopra and **Sanjay J.Dhoble**	28/04/2020	202011018047 TEMP/E-1/19640/2020-DEL	**Published**	26/06/2020	202011018047A	A device for mobile phone sanitization
40.	Vibha Chopra, Nutan S. Satpute, Nirupama S. Dhoble and **Sanjay J. Dhoble**	16/05/2020	202011020691 TEMP/E-1/22553/2020-DEL	**Published**	26/06/2020	202011020691A	An ultra violet sanitizer for PPE kits, police uniform and clothes
41.	Milind J. Umekar, Kamlesh J. Wadher, Neha S. Raut and **S.J.Dhoble**	11/04/2020	202021015771 TEMP/E-1/17005/2020- MUM	**Published**	03/07/2020	202021015771A	A medical face mask demolisher
42.	Kamlesh J. Wadher, Milind J. Umekar and **Sanjay J. Dhoble**	29/04/2020	202021018403 TEMP/E-1/19957/2020-MUM	**Published**	03/07/2020	202021018403A	An ultra violet radiation based sanitization device for public transport
43.	Vijay B.Pawade, Bharat A. Bhanvase and **Sanjay J. Dhoble**	30/04/2020	202021018562 TEMP/E-1/20249/2020-MUM	**Published**	03/07/2020	202021018562A	A process for synthesis of metal doped aluminisoilicate photocatalyst for waste water treatment

44.	Nilesh M. Mahajan, Nirupama S. Dhoble and **Sanjay J. Dhoble**	09/05/ 2020	202021019718, TEMP/E-1/21524/2020-MUM	**Published**	03/07/2020	202021019718A	A mortuary cabinet for disinfection of virus infected dead bodies
45.	Sanjay P. Hargunani, Rajkumar P. Sonekar, Vishal R.Panse, **Sanjay J. Dhoble**	22/06/ 2020	202021026153, TEMP/E-1/28893/2020-MUM	**Published**	21/08/2020	202021026153 A	A process for synthesis of white light emitting single host phosphor
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88. New Promising Technology for Mineral Management in Water, **Renu Nayar**, Vibha Chopra and **Sanjay J. Dhoble**, **Name of Edited book :** Minerals and their properties : Novel approach for applications, **Editors :** Sanjay J.Dhoble, Anup P.Bhat, Renu Nayar and Badana Samant**, Publishers** : **Nova Science Publishers**, USA **ISBN :** 978-1-53618-990-2, **Chapter-6**, pp 197-226, **2021, USA.**

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90. Mineral Deposit and Economic Scenario of India: Recent Developments, Anup P. Bhat, Kishor G. Rewatkar, Asmita Mohanty and **Sanjay J. Dhoble**, **Name of Edited book :** Minerals and their properties : Novel approach for applications, **Editors :** Sanjay J.Dhoble, Anup P.Bhat, Renu Nayar and Badana Samant**, Publishers** : **Nova Science Publishers**, USA **ISBN :** 978-1-53618-990-2, **Chapter-9**, pp 283-316, **2021, USA.**

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106. Development of red light–emitting electroluminescent cell with a $Eu(TTA)_3$ bipy hybrid organic complex as an emissive layer, N. Thejo Kalyani

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National Books Publications :

Authors Reference Books Publications : 01 Books

Digital Electronics Fundamentals, V.V.Shinde and **S.J.Dhoble**, **Studera Press,** New Delhi, India, **2019** ISBN : 978-93-85883-26-2

Text Books Publications : 14 Books

Text Books Publications: 14 Books

1. **Physics, Paper I & II, B.Sc. Third Year, SEMESTER –VI,** As per R.T.M.Nagpur University, New Syllabus, Prof. M.T.Dharmadhikari, **Dr.S.J.Dhoble,** Dr.K.B.Ghormare, Dr.P.M.Bhujbal and Dr.N.Thejo Kalyani, **Das Ganu Prakashan, Nagpur, India**, First Edition: **Feb 2016**, (**ISBN:** 978-93-84336-10-3).

2. **Physics, Paper I & II, B.Sc. Third Year, SEMESTER –V,** As per R.T.M.Nagpur University, New Syllabus, Prof.M.T.Dharmadhikari, **Dr.S.J.Dhoble,** Dr.K.B.Ghormare, Dr.P.M.Bhujbal and Dr.N.Thejo Kalyani, **Das Ganu Prakashan, Nagpur, India**, First Edition: **Dec 2015**, (**ISBN:** 978-93-84336-05-9).

3. **Physics, Paper I & II, B.Sc. Second Year, SEMESTER – IV,** As per R.T.M.Nagpur University, New Syllabus, Prof. M.T.Dharmadhikari, **Dr.S.J.Dhoble,** Dr.K.B.Ghormare, P.M.Bhujbal and Dr.N.Thejo Kalyani, **Das Ganu Prakashan, Nagpur, India**, First Edition: **Dec 2014**, (**ISBN:** 978-93-81660-98-0).

4. **Physics, Paper I & II, B.Sc. Second Year, SEMESTER – III,** As per R.T.M.Nagpur University, New Syllabus, Prof. M.T.Dharmadhikari,

5. **Dr.S.J.Dhoble,** Dr.K.B.Ghormare, P.M.Bhujbal and Dr.N.Thejo Kalyani, **Das Ganu Prakashan, Nagpur, India**, First Edition: **Jan 2014**, (**ISBN:** 978-93-81660-87-4).

6. **Physics, Paper I & II, B.Sc. First Year, SEMESTER – II,** As per R.T.M.Nagpur University, New Syllabus, Prof. M.T.Dharmadhikari, **Dr.S.J.Dhoble,** Dr.K.B.Ghormare and P.M.Bhujbal, **Das Ganu Prakashan, Nagpur, India**, First Edition: **Jan 2014**, (**ISBN:** 978-93-81660-78-2).

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Status of Research Projects

Successfully completed/Ongoing research projects

S. No.	Title of Project	Worked as a	Project Collaboration with	Sanctioned Amount	Funding Agency	Time Duration	Project Status
1	*Synthesis of Nanostructure Lamp Phosphors*	Principal Investigator (PI)	--	**Rs. 43,000/-**	**UGC, New Delhi**	01 Apr 2004 to 31 Mar 2006	Successfully completed
2	*Synthesis and Characterization of Nanostructured Luminescent Materials*	Principal Investigator (PI)	***Bhabha Atomic Research Centre, Trombay, Mumbai***	**Rs.20,49,625 /-**	**Board of Research in Nuclear Sciences (BRNS)**	10 Nov 2005 to 09 Nov 2008	Successfully completed
3	Innovative designing of eco-friendly LED based lamps for traffic signals and street lighting with reduced light loss and controlled light pollution	Principal Investigator (PI)	-----	**Rs. 1,75,000/-**	**R.T.M. Nagpur University, Nagpur, India**	07 Oct 2015 to 06 Oct 2016	Successfully completed
4	Development of rare earth activated novel Pyrophosphate	Principal Investigator (PI)	--	**Rs.10,11,800 /-**	**UGC, New Delhi**	01 Feb 2011 to	Successfully completed

	phosphors for solid state lighting					31 Jan 2014	
5	Development and characterization of high sensitive inorganic phosphors for Thermoluminescence dosimetry	Principal Investigator (PI)	***Bhabha Atomic Research Centre, Trombay, Mumbai***	**Rs.37,68,200 /-**	**Board of Research in Nuclear Sciences (BRNS)**	21 April 2011 to 24 April 2014	Successfully completed
6	Thermoluminescence characterization of lithium based TLD materials by using swift ions and photons	Principal Investigator (PI)	**Inter-University Accelerator Centre, New Delhi, India.**	**Rs. 6,79,800/-**	**Inter-University Accelerator Centre, New Delhi, India.**	22 Aug 2014 to 21 Aug 2017	Successfully completed
7	Nanomaterials for high energy density electrochemical energy storage	Co-Principal Investigator (CI)	**Dr. A. D. Deshmukh**, Department of Physics, R.T.M. Nagpur University, Nagpur	**Rs. 32,75,500/-**	**Naval Research Board, New Delhi**	05 Jan 2015 to 31 April 2018	Successfully completed
8	Thermoluminescence characterization and correlation with ESR spectroscopy of sulphate based nano- and bulk-structure phosphors	Principal Investigator (PI)	**----**	**Rs. 3,00,000/-**	**R.T.M. Nagpur University, Nagpur, India**	21 Nov 2015 to 20 Nov 2016	Successfully completed
9	Downshifting compatible nano materials for improving the spectral response of present and future generation solar cells	Principal Investigator (PI)	Co-PI **Dr. A. D. Deshmukh**, Department of Physics, R.T.M. Nagpur University, Nagpur	**Rs.32,01,520/-**	**Department of Science and Technology , New Delhi**	16/01/2019 to 31/03/2022	Successfully completed
10	Development of artificial light source for cultivation and fertilization of vegetable plants for farmers	Principal Investigator (PI)	Co-PI , Dr. N. S. Sirbhate, Department of Botany, VidyaVikas Arts, Commerce and Science College, Samudrapur, 442305, Wardha, India	**Rs.2,05,000/-**	**Programme of Rajiv Gandhi Science and Technology Commission**	01/04/2022 to 31/03/2024	On Going

11.	Study of photolumi nescence, thermolu minescence and scintillation pro perties of Ln_2O_3 nanopartic les and single crystals	Principal Investigator (PI)	**Russian Collaborator : Prof. Nikolay Naumov**, Professor, Department of Physics, Nikolaev Institute of Inorganic Chemistry, Acad. Lavrentiev Avenue 3, Novosibirsk 630090, Russia.	**Rs. 47,90,482/-**	**Department of Science and Technology** [**Indo-Russian Project**]	08/02/2023 to 07/02/2026	On Going

IUAC Projects

Sr. No.	Title of Project	Worked As	Funding Agency	Collaborators	Sanction letter number	Sanctioned Beamline	Duration of project
1.	Effect of ion beam and photons on TLD phosphors for accidental and high dose radiation dosimetry	Principal Investigator (PI)	**Inter-University Accelerator Centre, New Delhi, India.**	Dr. Mrs. N.S.Dhoble, **Sevadal Mahila Mahavidyalaya, Nagpur.** Dr.Fouran Singh, **IUAC, New Delhi, India.**	**BTR Number 62331** IUAC/XIII.3A/ Dated, 11 Aug 2017	**2 Shifts** • **Carbon ions** • **I^{53} ions**	3 Years **11 Aug 2017 to 10 Aug 2020**
2.	Effect of ion beam and photons on spectroscopic properties of alumonosilicate based LED materials for space applications	Principal Investigator (PI)	**Inter-University Accelerator Centre, New Delhi, India.**	Dr.Vibha Chopra**, DAV College, Amritsar;** **&** Dr.Fouran Singh, **IUAC, New Delhi, India.**	**BTR Number 63313** IUAC/XIII.3A/ Dated, 12 Jan 2018	**3 Shifts** • **Li^{3+} ions;** • **C^{6+} ions;,** • **I ions**	3 Years Starting date : **12 Jan 2018 to 11 Jan 2021**
3.	Analysis of the structural and morphological modification of rare earth (RE= Eu;Dy;Ce)activated phosphate phosphors using swift heavy ion beams and ion sputtering (Ag; Ne)	Principal Investigator (PI)	**Inter-University Accelerator Centre, New Delhi, India.**	Dr.Aleksander R.Krupski, **University of Portsmouth , Portsmouth, UK** **&** Mr.D.Sen, **IUAC, New Delhi, India.**	**BTR Number 64544** IUAC/XIII.3A/ Dated, 31 July 2018	**6 Shifts** • **Ag ions;** • **Ne ions** **Low Energy**	3 Years Starting date : **31 July 2018 To 30 July 2021**

4	Tailoring the luminescence properties of color-tunnable phosphors using swift heavy ion beam	Principal Investigator (PI)	**Inter-University Accelerator Centre, New Delhi, India.**	Dr.Vibha Chopra**, DAV College, Amritsar; &** Dr.Fouran Singh, **IUAC, New Delhi, India.**	**BTR Number 64307** IUAC/X III.3A/ Dated, 31 July 2018	**2 Shifts** • **Li^+ ions;** • **Ag^+ ions**	3 Years Starting date : **31 July 2018 to 30 July 2021**

Total amount received and sanctioned under research projects: Rs. 1,94,99,927/-

Honours & Awards:

1. **Fellow : Fellow of Maharashtra Academic of Sciences,** for the significant contribution in the field of Physical Sciences in the year 2020. Presented by **Maharashtra Academic of Sciences on** 28th November 2020 Fellowship No. ALF1102.

2. **Avishkar Achievers Award 2022,** National Best Ideal Teacher and Researcher Award, Presented by Aviskar Foundation, Solapur,India

3. **Governor of Chhattisgarh nominated Member** of Chhattisgarh State Level Physics Board for three years 2022-2025.

4. **Gramayan Srujan Sanman Puraskar 2020**, by Gramayan Pratishtan, Nagpur, *11th May 2022*

5. **Lions Iconic Awards in Education :** By International Association of Lions Clubs, Nagpur, 1st January 2022.

6. **Governor of Maharashtra and Chancellor of the Universities nominated Member:**

7. Member, Board of Research of Gondwana University, India, nominated by Hon'ble Governor of Maharashtra and Chancellor of the Universities, Chancellor Office Letter no RB/GUG-2023/CR-526/Edn-1/968, on dated 14t July 2023.

8. **Top 2 % Scientist at world level in subject Applied Physics, consecutively in the years 2020, 2021, 2022 and 2023:** Three scientists John P.A.Ioannidis, Kevin W.Boyack and Jeroen Baas from Stanford University, Americahave recently analyzed the world'slargest scientific database 'Scopus'.They have released a list of top 2% scientists across the world based on their citations, h-index and number of published papers which has been classified into 176 sub-fields. Consecutively in the years **2020, 2021, 2022 and 2023** Dr. Dhoble stands among the "**Top 2% Scientists in the World**" in the prestigious list published by a team of scientists in US' Stanford University, in one of the

highly rated journals, PLOS Biology. Prof. Sanjay Janrao Dhoble from Department of Physics, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur is the only professor from R.T.M. Nagpur University who has been included in this list of top 2% scientists in the subject applied Physics, consecutively in the years **2020, 2021,2022 and 2023**.

9. **Lifetime Achievement Award**, by S. K. Porwal College of Arts, Science & Commerce, Kamptee for contributions in the area of Material Science are noteworthy and are of socieal impact, in 11th National Conference on Solid State Chemistry And Allied Areas (NCSCA-2019), Organized by **S. K. Porwal College of Arts, Science & Commerce, Kamptee**, In association with Indian Association of Solid State Chemists &Allied Scientists (ISCAS), Jammu,India on 20th Dec 2019.

10. **Vidharbh Ratnya Award** by R.P.Samarth Smarak Samiti, Nagpur, **8th Feb 2020**.

11. **India's Top Faculty Research Award-2018** by Careers 360, recived in Teen Murti Bhawan, New Delhi, for the top ten researchers in India in Physics on the basis of research papers published in **SCOPUS** research database in session 2017-2018, on 20th March 2018.

12. **Best Teacher Award-2017,** for the outstanding contribution in the field of research in the University, presented by **Kubhalkar Evening College, Nagpur**, India on 7th Sept 2017.

13. **Fellow : Fellow of Luminescence Society of India,** for the outstanding contribution in the field of Luminescence and extentation of work of society, presented by **Luminescence Society of India**, at Indiana Institute of Chemical Technology, Hydrabad on 11th Jan 2017.

14. **Best Research Award-2016,** for the outstanding contribution in the field of research and related extentation activity for the University, presented by R.T.M. Nagpur University,Nagpur, India on 5th Sept 2016.

15. **Professor B.P.Chandra Research Award,** for the outstanding contribution in the field of Luminescence and extentation of Prof.B.P.Chandra's research work , presented by **Luminescence Society of India**, in National Conference on Luminescence and its Application, NCLA-2016 at Nagpur, India on 18th February, 2016 in the Hounor and memory of Prof.B.P.Chandra.

16. **Professor B.T.Deshmukh Research Award,** for the outstanding contribution in the field of Luminescence and extentation of Prof.B.T.Deshmukh's research work , presented by **Luminescence Society of India**, in National Conference on Luminescence and its Application, NCLA-2016 at Nagpur, India on 18th February, 2016 in the Hounor and memory of Prof.B.T.Deshmukh.

17. **Outstanding Scientist Award**, for the contribution and achievement in the field of Solid State Physics, presented by Venus International Foundation at Chennai, Tamil Nadu, India, 019th December 2015.

18. **Supervisor, R.T.M.Nagpur University, Nagpur students Delegation for participation in JENESIS 2.0 programme conducted by Japan International Cooperation Center at Japan during 3rd June 2014 to 10 June 2014.**

19. **Prof. Dadasaheb Kalmegh Memorial National Award-2013 for Excellence in Science 2013 for outstanding services in the field of Education, Presented by Mahatma Fule Talent Research Academy at Nagpur, India on 8th Sept.2013.**

20. **Teli Samaj Sevak Shishan Seva Sanman 2012,** Teli Samaj Sevak Shishan Samiti, Yawatmal, Vidarbh-Maharashtra.

21. **Advanced Materials Scientist Letter Awards-2011 for outstanding contribution in Advanced Materials Letter Presented by VBRI Press in International Conference on Nanomaterials and Nanotechnology, Delhi University, 19th December 2011.**

22. **National Achievement Award for education excellence, presented by International Achievers' Development Organization, New Delhi-28 Aug 2003.**

23. **Indira Gandhi Sadbhavana Award, presented by Global Economic Council, New Delhi- 19 Nov 2003, at Bangalore.**

24. **Gyan Bharti Shiksha Award, presented by Global Management Council, Ahmedabad-20th May 2007 at Ahmedabad.**

25. **Included as an active member, New York Academy of Sciences, New York, USA.**

26. **Profile published in the *'who's who in the world'* 18th Edition, 1999, published by Marquis Who's who, publisher of Who's who in America, USA.**

27. **Profile published in *'Who's Who in Asia'* 1st Edition, 2007, published by Marquis Who's who, publisher of Who's who in America, USA.**

28. **Rare earths research in India published in Current Science** : A scientometrics analysis of rare earths research in India published in Current Science (**110**, 1184-7(2016)) lists Dr. Dhoble as one of the most prolific Indian authors in the field of rare earths research in the order of z-index.

Report published on research on rare earth in Inida, our work is observed at 18 position as per Current Science report, 2016 as below :

Most prolific Indian authors in rare earths research in the order of z-index

Authors	Papers (P)	Impact (i)	Impacts$_{5yr}$ (i_{5yr})	eXergy (X)	Consistency (η)	z-Index (z)
Rao, C. N. R., JNCASR	102	32.41	18.18	107,153	0.34	33.28
Reddy, M. L. P., NIIST	86	22.14	15.86	42,154	0.54	28.33
Yadav, J. S., IICT	73	21.51	12.95	33,766	0.52	26.06
Jayasankar, C. K., SV University	87	20.36	12.11	36,051	0.48	25.86
Reddy, B. V. S., IICT	57	20.70	12.65	24,428	0.59	24.38
Rai, S. B., BHU	70	17.26	12.14	20,847	0.55	22.53
Rao, T. P., NIIST	52	20.52	9.65	21,894	0.46	21.52
Moorthy, L. R., SV University	59	13.39	11.47	10,578	0.56	18.08
Manchanda, V. K., BARC	76	11.46	9.88	9,982	0.51	17.24
Mohapatra, P. K., BARC	77	11.12	9.77	9,516	0.52	17.08
Buddhudu, S., SV University	61	13.02	6.87	10,335	0.47	16.94
Tyagi, A. K., BARC	96	13.67	9.70	17,931	0.25	16.48
Damodaran, A. D., NIIST	62	10.85	4.23	7,305	0.49	15.34
Dhar, S. K., TIFR	64	12.59	7.02	10,151	0.34	15.10
Nigam, A. K., TIFR	51	12.94	7.61	8,541	0.28	13.37
Choudhary, R. N. P., IIT Kharagpur	55	10.22	5.91	5,743	0.39	13.14
Rao, P. R. V., IGCAR	51	8.45	6.31	3,642	0.58	12.80
Dhoble, S. J., Nagpur University	64	10.13	8.06	6,561	0.31	12.68
Kotru, P. N., Jammu University	69	8.07	2.93	4,496	0.45	12.66
Sanyal, S. P., Barkatullah University	52	7.13	4.54	2,647	0.42	10.36

Reference: R. S. Vishnumaya, P. Nishy and S. Mini, Scientometrics of rare earths research in India, *Current Science,* 110 (7), 2016; 1184-1192.

Abroad Visits:

ITALY, EGYPT, GREECE, AUSTRALIA, CHINA, SOUTH AFRICA, SOUTH KOREA, GREECE, JAPAN, GREECE, SWEDEN, MALAYSIA , HONG-KONG, SOUTH AFRICA AND ENGLAND.

- **Italy**, 1999 (7 Feb-12 Mar: 34 days).

  Participated in Winter College on 'Spectroscopy and Application' (8-26 Feb 1999) at Abdus Salam International Centre for Theoretical Physics (ICTP), Trieste, Italy.

  Training Course on laser Diagnostics of Combustion Process' (01-05 Mar 1999) at the International Centre for Science and High Technology, Trieste, Italy.

  Library Work: (6-12 Mar 1999) at Abdus Salam International Centre for theoretical Physics (ICTP), Trieste, Italy.

- **Egypt**, 2001 (06-07 July : 2 days)

  Visited the Laboratory of Prof. Mohammed M.Sheriff, High Energy Physics Laboratory, Physics Department, Faculty of Science, Cairo University, Giza-12612, Egypt.

- **Greece**, 2001 (08-13 July : 6 days)

  Participated and presented research papers in the 13th International Conference on Solid State Dosimetry, (9-13 July 2001) Athens, Greece.

- **Australia**, 2010 (19th - 24th September: 6 days)

  Participated and presented research papers in the 16th International Conference on Solid State Dosimetry, (19th - 24th September 2010) Sydney, Australia.

- **China**, 2011(13th -16th May 2011: 4 days)

  Participated and presented Keynote Address in the 1st International Congress on Advanced Materials, (13th -16th May 2011), University of Jinan, Jinan City, Shandong, China.

- **South Africa**, 2012(1st - 4 th April 2012: 4 days)

  Participated and presented Keynote Address in the "4th International Conference on Nanoscience and Nanotechnology",(1st April to 4th April 2012), Bloemfontein, South Africa.

- **South Korea**, 2012 (11th Aug -8th Sept 2012: 29 days)

  As a visiting Professor, Department of Advanced Materials Engineering, Sejong University, Gunja-Dong 98, Gwangjin-Gu, Seoul,143-747,South Korea.

- **Greece**, 2013 (22nd Sept- 27th Sept 2013: 06 days)

  Participated and presented scientific paper in the "International Conference of Numerical Analysis and Applied Mathematics 2013 (ICNAAM2013) (21stSept- 27th Sept 2013), Rodos Palace-Conference Center, Rodoes, Greece.

- **Japan**, 2014(3rd June 2014 to 10 June 2014: 08 days)

  Supervisor, R.T.M.Nagpur University, Nagpur students Delegation for participation in JENESIS 2.0 programme conducted by Japan International Cooperation Center at Japan during 3rd June 2014 to 10 June 2014.

- **Greece**, 2014 (23rd Sept- 26th Sept 2014: 04 days)

  Participated and presented scientific paper in the "International Conference of Numerical Analysis and Applied Mathematics 2014 (ICNAAM2013) (23rd Sept-26th Sept 2014), Rodos, Palace-Conference Center, Rodoes, Greece.

- **Sweden**, 2015 (23rd Sept - 26th Sept 2014: 04 days)

  Participated and presented Keynote address in the "Advanced Materials World Congress 2015, (23rd Sept- 26th Sept 2014), Viking Line, Stockholm, Sweden.

- **Malaysia,** 2016 (24th May – 26th May 2016: 03 days)

Participated and presented Invited talk in the "International Conference on Science and Technology for Sustainable Development (ICSTSD-2016)" (24th May – 26th May 2016), Hotel Istana, Kuala Lumpur, Malaysia.

- **Hong Kong**, 2016 (28h Nov–1st Dec 2016: 04 days)

  Participated and presented Invited talk in the "International Symposium on Luminescence, Spectroscopy and Applications", Phosphor Safari 2016 Hong Kong,(28h Nov–1st Dec 2016) Hong Kong University, Hong Kong.

- **South Africa**, 2017(27th – 31st March 2017: 05 days)

  Participated and presented Invited talk in the "7th South African Conference on Photonic Materials",(27th – 31st March 2017), Amanzi Game Reserve, South Africa.

- **England**, 2018(30th April – 20th May 2018 : 21 Days)

  Establishment of collaborative research work at University of Postsmoth, Postmouth, United Kingdom, under the MoU between University of Postsmoth, Postmouth, UK with R.T.M. Nagpur University, Nagpur, India as a Visiting Fellow.

Reviewers: *International Journals*

1. Journal of Luminescence, ELSEVIER Publication, USA
2. Material Research Bulletin, ELSEVIER Publication, USA
3. Physica B :Condesed Matter, ELSEVIER Publication, USA
4. Electrochemical and Solid State Letters , Electrochemical Socity , USA
5. Journal of Alloys and Compounds, ELSEVIER Publication, USA
6. Indian Journal of Pure and Applied Physics, Naitioal Institute of Science Publication, INDIA.
7. Luminescence: The Journal of Biological and Chemical Luminescence, WILEY INTERSCIENCE Publication, USA.
8. The Open Nanoscience Journal, BENTHUM Publication,
9. Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, ELSEVIER Publication, USA.
10. Journal of Colloid and Interface Science, ELSEVIER Publication, USA
11. Journal of Physics and Chemistry of Solids, ELSEVIER Publication, USA
12. Materials Letters, ELSEVIER Publication, USA
13. Advanced Materials Letters, VBRI Press
14. Radiation Effects and Defects in Solids, Taylor & Francis
15. Ceramics International, ELSEVIER Publication, USA
16. Materials Science and Engineering B, ELSEVIER Publication, USA
17. Central European Journal of Physics, Versita, co-published with Springer Verlag
18. Journal of Solid State Chemistry, ELSEVIER Publication, USA
19. Journal of The Electrochemical Society, The Electrochemical Society, USA
20. Renewable & Sustainable Energy Reviews, ELSEVIER Publication, USA
21. Solid State Sciences, ELSEVIER Publication, USA.
22. Journal of the American Ceramic Society, USA.
23. Journal of Materials Chemistry C, Royal Society of Chemistry, Cambridge
24. Materials and Design, ELSEVIER Publication, USA.

25. Green Smart Materials, Bentham Science, Korea.
26. Journal of Molecular Structure, ELSEVIER Publication, USA
27. Chemical Society Review, Royal Society of Chemistry, **Impact factor: 52**

Member of Editor/Editorial Board:

1. **Editor**: **Luminescence: The Journal of Biological and Chemical Luminescence**, John Wiley & Sons Ltd. Publication (**Impact Factor: 2.464**) Till 31 March 2023.
2. **Editorial Board member:** ***Journal of Solid State Lighting***, Published by **Springer –Verlag London Ltd, United Kingdom.**
3. **Editorial Board member**: Combinatorial Chemistry & High Throughput Screening, Published by **Bentham Science, U.S.A.**
4. **Editorial Board member** : ***Journal of Luminescence and Applications***, Published by **Columbia International Publishing.**
5. **Editorial Board member: Current Smart Materials**, Published by Bentham Science,Korea
6. **Editorial Board member:** The Hadronic Journal, Published by **Santilli Foundation, USA.**
7. Guest Editors of peer reviewed **Advanced Materials Letters, (AML),** Published by **VBRI Press**.
8. **Editorial Board member: Green Smart Materials** Published by Bentham Science,Korea
9. **Editorial Board member:** ***International Journal of Luminescence and Its Apllications*** **(IJLA),** Published by **Luminescence Society of India**.
10. ***Editor in Chief : Rashtrasant Tukadoji Maharaj Nagpur University Science Journal***, Published by **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur, India, Year 2022.**
11. **Editorial Board member:** ***Rashtrasant Tukadoji Maharaj Nagpur University Science Journal***, Published by **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur, India, upto Sept .2020.**
12. Editorial Board member of ***Chhattisgarh Swami Vivekanand Technical University Research Journal (CSVTU Rearch Journal)***, Published by **Chhattisgarh Swami Vivekanand Technical University, Bhilai, Chhattisgarh, India**.

Editor

- **AIP Conference Proceedings 2104, 010001 (2019)**; https://doi.org/10.1063/1.5100367
  Name of AIP Conference Proceedings :

AIP Conference Proceedings 2104, 010001 (2019): International Conference on "Multidimensional Role of Basic Science in Advanced Technology" ICMBAT 2018, held on December 14th-15th, 2018 in K.D.K. College of Engineering, Nagpur, India. **Editors :** Dr. Mrs. S.P. Wankhede; Dr. Ms. K.B. Bajpai; Dr. S.V. Moharil and D**r. S. J. Dhoble**

Address of wabepage: https://aip.scitation.org/doi/pdf/10.1063/1.5100367

- Proceedings of National Seminar on ***"NOVEL SYNTHESIS OF MATERIALS-NSNSM 2002"*** Kamla Nehru College, Nagpur, India, 22 Dec 2002.
- Proceedings of National Seminar on ***"ADVANCED MATERIAL (NSAM-2004)"*** Kamla Nehru College, Nagpur, India, 01 Feb 2004.
- Proceedings of National Conference on ***"RECENT TRENDS IN NANOSCIENCE (NS-2006)"*** Kamla Nehru College, Nagpur, India, 15 Jan 2006
- Proceedings of National Conference on ***"RECENT TRENDS IN MATERIAL SYNTHESIS AND CHARACTERIZATION (NCRTMSC-2009)"***, Department of Physics, Bhalerao Science College,Saoner, Nagpur, India, 04-05 Dec 2009.
- Proceedings of National Conference on ***"SYNTHESIS OF ADVANCED MATERIALS AND THEIR APPLICATION, (SAMA-2010)",*** Department of Physics, N.H.College, Bramhapuri, India, 13 March, 2010, pp 04-08.
- Proceeding of National Conference on "***NOVEL MATERIALS AND THEIR APPLICATIONS (NCNMA-2010)"***, Department of Physics, Nilkanthrao Shinde Science and Arts College, Bhadravati, Maharastra, 18th Dec 2010.
- Proceeding of National Conference on ***"NANOSCIENCE AND NANOTECHNOLOGY (NSNT-2011)"***, Department of Physics, Mahatma Gandhi Arts, Science and N.P. Commerce College, Armori, Maharastra, 6th Jan 2011.
- Proceeding of National Conference on "***NANOSCIENCE AND TECHNOLOGY***", Department of Physics, Science College, Nagpur, Maharastra, India, 21-22 Feb, 2011.
- Proceeding of National Conference on Synthesis and Applicaions of Novel Materials, **Department of Physics, VMV Commerce, JMT Arts and JJP Science College, Nagpur, India,** 5th Oct. 2013.
- Proceeding of National Conference on Advanced Materials, **Department of Physics, Nabira Mahavidhyalaya, Katol, India,** 1st March 2014.
- Proceeding of National Conference on Recent Development in Material Science and Technology (RMDST – 2014)(ISBN No. 978-81-926487-3-6), **Department of Physics, ACS College, Koradi, Dist. Nagpur, India,** 11th October 2014.

- Proceeding of National Conference on Novel Synthesis of Advanced Materials (ISBN: 978-93-82962-51-9), **Department of Electronic, D.B.Science College, Gondia, India**, 20th Dec 2014.

- Proceedings of National Conference on ***"Luminescence and its Applications, NCLA-2016"*** Department of Physics, R.T.M.Nagpur University, Nagpur, India, 18-20 Feb 2016.

Local Sectional Secretary, 108th Indian Science Congress-2003

- Local Sectional Secretary, Material Science Section of 108th Indian Science Congress-2003 held at Rashtrasant Tukadoji Maharaj Nagpur University, India from 03 Jan to 07 January 2023 is successfully organized.

Convener of International Conferences:

- **Convener,** International Conference on **Advances in Materials: Engineering and Technologies" (IAMET-2022),** Jointly Organized by J.D.College of Engineering and Management Nagpur and Luminescence Society of India, **19th - 20th December 20**22.

- **Convener**, International Conference on Recent Trends in Advanced Materials-2020 (ICRTAM-2020), Jointly Organized by **Nevjabai Hitkarini College, Bramhapuri, Dist- Chandrapur, Late B.S.Arts, Prof. N.G. Science and A.G. Commerce College, Sakharkheda, Dist.Buldhana and Shri. Gadge Maharaj Mahavidhyalaya, Hingna, Dist. Nagpur**,**India,** 6th July 2020.

- **Co-ordinator, Physical Sciences**, **International Conference on Advances in Physical, Chemical & Mathematical Sciences (ICAPCM-2020), Organized by** Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur, India, **13th -16th February 2020.**

- **Convener**, **International Conference of Recent Trends in Advanced Materials-2020 (On-line)**, organized by N.H.College, Bramhpuri, Late B.S.Arts, Prof .G.College and A.G.Commerce College, Sakharkeda, Sant Gadge Maharaj Mahavidhyalaya College, Hingna, India and **Luminescence Society of India**, 6th July 2020.

- **Co-Convener,** ***International Conference on "Science and Technology for Sustainable Development", Hotel Istana, Kuala Lumpur, Malaysia, 24-26 May 2016*** with collaboration Institute od Advance Technology, University Putra Malaysia, Malaysia.

- ***As a Secretary,*** Luminescence Society of India, ***International Conference on "Luminescence and it's Applications, ICLA-2014***" Organized by Luminescence Society of India and Department of Physics, P.E.S. University, Bangalore and P.E.S. Institute of Technology, Bangalore, India, **09-12 Feb 2015**. I am fully involed in organizing this conference as a **Secretary, Luminescence Society of India.**

Convener of National Conferences:

- ***National Seminar on "NOVEL SYNTHESIS OF MATERIALS-NSNSM 2002" Kamla Nehru College, Nagpur, 22 Dec 2002.***

- ***National Workshop on "RECENT TRENDS IN NOVEL MATERIALS" Kamla Nehru College, Nagpur, 18 Feb 2008.***

- ***National Conference on "Luminescence and its Applications, NCLA-2016" Department of Physics, R.T.M.Nagpur University, Nagpur, India, 18-20 Feb 2016.***

Co-Convenor of National Conferences::

- Short Term Training Program on Popularizing Non-Conventional and Alternative Enegry Sources for Sustainable Development at Jhulelal Institute of Technology, Nagpur, India, 20-25 Nov 2017.

Organization Secretary:

- Annual Young Scholars' Conference-2018(AYSC-2018), Organized by **Internal Quality Assurance Cell (IQAC), R.T.M.Nagpur University, Nagpur, India,** 23-24 Feb 2018

Co-ordinator:

- National Science Day, **R.T.M.Nagpur University, Nagpur, India,** Organized by **Internal Quality Assurance Cell (IQAC),** 28 Feb 2018

- National Workshop on "India New Urban Agenta" , Department of Public Administration and LSG and Career and Counceing Cell, R.T.MNagpur University, Nagpur, Indiaa, 29th Sept 2016.

- National Conference on **"SYNTHESIS AND CHRECTERIZATIOM OF NEW MATERIAL AND IT'S APPLICATION",** Department of Physics, Kamla Nehru Mahavidyalaya, Nagpur, India,15th March 2009.

- National Conference on ***"RECENT TRENDS IN NANOSCIENCE-NS 2006"*** Kamla Nehru College, Nagpur, 15 Jan 2006.

Chairman of Technical Commiittee:

- National Conference on Safety and health management systems to improve productivity in mines, **Vidarbha Productivity Council, Nagpur,** 23rd - 25th July 2015.

- National Conference on **Novel Synthesis of Advanced Materials**, Department of Electronic, D.B.Science College, Gondia, India, 20th Dec 2014.

- National Conference on "Recent **development in material science and technology**", Department of Physics, Arts, Commerce and Science Colege, Koradi, Dist- Nagpur, India, 11th Oct 2014.

- National Conference on ***"NOVEL MATERIALS AND THEIR APPLICATIONS (NCNMA-2010)"***, Department of Physics, Nilkanthrao Shinde Science and Arts College, Bhadravati, Maharastra,18th Dec 2010.

- National Conference on **"SYNTHESIS AND CHARACTERISATION OF ADVANCED MATERIALS (NCSCAM-2011").** Department of Physics, JANATA MAHAVIDYALAYA**,** Civil Lines, Nagpur Road, Chandrapur, 8th October 2011.

- Proceeding of National Conference on Synthesis and Applications of Novel Materials, **Department of Physics, VMV Commerce, JMT Arts and JJP Science College, Nagpur, India,** 5th Oct. 2013.

- Proceeding of National Conference on Advanced Materials, **Department of Physics, Nabira Mahavidhyalaya, Katol, India,** 1st March 2014.

Plenary Talks/ Keynote Address/ Invited Talks and Guest Lecture : 159

Plenary Talks:

1. Phosphors and there applications, **Plenary Talk,** 2nd International Conference on Recent Advances in Material Science and Nanotechnolgy (RAMAN-22), Organized by **G.S.Tompe Arts, Commerce and Science College, Chandur Bazar, Dist .Yavatmal, India,** 12th May 2022.

2. Nanomaterials for advanced luminescence applications. **Plenary Talk**, Recent Trends in Acoustics and Material Science-2020 (RTAMS-2020), Three Days National Conference, organized by **Department of Physics, School of Basic Science and Research (SBSR), Sharda University, New Delhi,** India, 28th November 2020.

3. Development and stability at higher temperature of rare earth ions activated inorganic phosphors for power saving LED lighting, 11th National Conference on Solid State Chemistry And Allied Areas (NCSCA-2019), Organized by **S. K. Porwal College of Arts, Science & Commerce, Kamptee** ,In association with Indian Association of Solid State Chemists &Allied Scientists (ISCAS), Jammu, India, 20th Dec 2019.

4. Synthesis and thermal stability of rare earth activated LED phosphors, International Conference on Ultrasonics and Materials Science for Advanced Technology 2019 (ICUMSAT-2019), Organized by **Department of Physics, Prof. Rajendra Singh (Rajju Bhaiya) Institute of Physical Sciences for Study and Research, Veer Bahadur Singh Purvanchal University, Jaunpur, UP, India,** In association with Ultrasonics Society of India, 17th Nov 2019.

5. Tunable luminescence of various rare earth activators for the generation of white light, 6th International Conference on "Luminescence and Applications [ICLA-2019]", **School of Studies in Physics and Astrophysics, Pt. Ravishankar Shukla University, Raipur, India**, 7th January 2019.

Keynote Address:

6. Luminescence materials and there applications, One day seminar on Material Science organized by **C.M.Dubey Post Graduate College, Bilaspur, India**, 27th June 2023.

7. Luminescence materials for enhancing efficiency of future generation solar cell, International Conference on "Tech treads in Science, Engginering and Mmanagement", Organised by, **Suryodaya College of Enggineering band Tedhnology, Nagpur, India,** 3rd May 2023.

8. Light emitting diode for plant cultivation, National Conference on "Luminescence and it's Applications NCLA-2021 "Hybrid Mode"", Organized by **Department of Physics, Govt. VYT PG Auto. College, Durg, India** and Luminescence Society of Luminescence of India, 9th – 11th December 2021.

9. Magical rays for Covid-19 "UV C", International Webinar on "Advance Materials and Applications", organized by Internal Quality Assurance Cell (IQAC) and **Department of Physics, D.P.Vipra College, Bilaspur, India**, 14th July 2020

10. Synthesis of phosphors and applications for TLD and Security Ink, International Webinar on "Emerging Trends in Material Science and It's Application for Sustanable Development", organized by **SRI Guru Tegh Bahadur Khalsa College, Jabalpur, India** and Luminescence Society of Luminescence of India, 6th June 2020.

11. Synthesis of RGB phosphors for power saving LED lighting, National Seminar on "Advanced Research in Physics and its Role in Development of Society, **Department of Physics, Digvijay P.G. Autonomous College, Rajnandgoan (C.G.), India**, 29th Jan 2018.

12. Importance of rare earth ions for LED based eco-friendly lighting,National Conference on Advanced in Nanotechnology and their applications (NCANA) , **GD- Rungta College of Engineering and Technology, Bhilai, C.G.,India** , 27th Nov 2017.

13. Importance of phototherapy lamp phosphors for skin diseases, Two days National Conference on Advanced Material Science and Engieering (NCAMSE-2017), **Christian College of Engineering and Technology, Bhilai, India**, 08th May 2017.

14. Importance of phototherapy lamp phosphors for skin diseases, 15th National Conference Technology- 2017 on Advanced Material Science and Engineering (NCAMSE), **Christin College of Engineering AND Technology, Bhilai, C.G., India,** 9th March 2017.

15. Development of RGB phosphors for pc-LEDs, National Seminar on "Recent trends in emerging matrials", **Department of Physics, Govt. Model Science (Autonomus), Jabalpur**, India, 4th March 2016.

16. Synthesis of nanophosphors for lighting and accidental radiation dosimetry, "4th International Conference on Nanoscience and Nanotechnology", **Department of**

Physics, University of Free State, Bloemfontein, South Africa, 1st April 2012 **(Keynote for session of conference).**

17. Green technology in lighting: Recent Development, 1st International Congress on Advanced Materials, **University of Jinan, Jinan City, Shandong, China**, 13th May 2011**(Keynote for session of conference).**.

18. Nanophosphors for high dose thermoluminescence dosimetry *"Nanoscience and Nanotechnology (NSNT-2011)"*, **Department of Physics, Mahatma Gandhi Arts, Science and N.P. Commerce College, Armori, Maharastra**,6th Jan 2011.

19. Nanophosphors for high dose thermoluminescence dosimetry, National Conference on novel materials and their applications (NCNMA-2010), **Department of Physics, Nilkanthrao Shinde Science and Arts College, Bhadravati, Maharastra**,18th Dec 2010.

Invited talks/Guest Lectures:

20. Scenario of Interdisciplinary Research and Challenges, Project Exhibition, Organized by **Department of Physics, School of Basic and Applied Science and Department of Applied Science, JNES, MGM University, Chh.S abhajinagar, India**, 07th Sept 2023.

21. Importance of Interdisciplinary Research in future, National Conference on: Atmnirbhar Bharat : Role of Science, Education and Technology (RSET-2023), Organized by **St. Aloysius Institute of Technology, Jabalpur**, **India,** 15th September 2023.

22. Scenario of Interdisciplinary Research and challenges, National workshop on Analysis and applications of recent electronic materials and research opportunities in NEP 2020, Organized by **Department of Physics, Govt. Science College, Jabalpur, India**, 16th September 2023.

23. Scenario of Interdisciplinary Research and Challenges, **University of Petroleum and Energy Studies (UPES), Dehradun, Utterakhand,** India, 29th September 2023.

24. Rare earth activated phosphors for next generation solar cells, 7th International Conference on Luminescence and its Applications (ICLA-2023), Organized by **CSIR-IICT, Hydrabad, India**, 4th July 2023.

25. Tunable luminescence of phosphors for efficiency enhancement of LED lighting and solar cell, Two day National Seminar on Recent trends in Mathematical, Physics and Computer Science, Organized by **Government Bilasa Girls P.G.Autonomous College Bilaspur, C.G., India,** 26th July 2023.

26. Writing of research papers and preparation of research project proposal, Workshop organized by **O.P.Jindal University, Raigarh, CG, India**, 15th May 2023.

27. Innovative application of fly ash for shielding materials and radiation dosimetry, 2nd National Conference on Signal processing, sustainable energy materials and astronomy and astrophysics, Organized by **School of Studies in Physics and**

Astrophysics, School of Studies in Electronics and Photonics, Pt. Ravishankar University, Raipur, C.G., India, 17th March 2023.

28. Motivation for research, National Conference on Recent Trends in Materials Science (RTMS-2023), Organized by **Nagarjuna Degree College for Woman, Kadapa, A.P., India**, 9th February 2023.

29. Phosphors for artificial lighting, at Department of Physics, Sri Venkateswara University, Tirupati, India, 8th February 2023.

30. Downconversion luminescent phosphor for future generation solar cell, The Indian Science Congress Association, Organized by **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur, India**, 4th January 2023.

31. Spectroflurometer and their application in luminescence, Synergistic Training Program Utilizing the Scientific and Technological Infrastructure (STUTI) organized by **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur, India with Shiwaji University, Kplhapur, India**, 29th November 2022.

32. Motivation for Research, **Anand Niketan College, Warora, India,** 30th September 2022.

33. Luminescence materials: Challenges and potential applications, National Conference on Recent Trends in Materials Science (RTMS-2022), Organized by **Government College of Men (A), Kadapa, India,** 24th September 2022.

34. Phosphors for plant cultivation LED lighting, National Conference on Science, Technology and Applications of Rare Earths (STAR-2022), Organized by **Department of Physics and Chemistry, Sri Venkateswara University, Tirupati, India,** 23rd September 2022.

35. Inside on book writing and research paper publication, **Institute of Pharmaceutical Education and Research, Borgaon (Meghe), Wardha,** 29th August 2022.

36. Research paper writing, One Day Workshop on Process of Patent File and Research Paper Writing (PPF-RPF-2022), Organized by **Intellectual Property Rights (RGNIIPM) Cell, Priyadarshani College of Engineering, Nagpur, India,** 8th July 2022.

37. Objective and motivation of research, in Series of Gateway to quality research, organized by **College Research and Development Committee(CRDC), Brijlal Biyani Science College , Amravati,** India,13 May 2022.

38. Paper, review writing and Preparation of research project proposal, Organized by **Vidhya Vikas Art's, Commerce and Science College, Samudrapur, India**, 21st August 2021.

39. Novel Materials for forensic, energy harvesting and dosimeters, 2 Days online FDP, organizes by the Department of Physics, **Bhilai Institute of Technology, Raipur, C.G**., 30th January 2021.

40. Color tunable rare earth activated phosphors for solid state lighting, Advances in Physics, International Conference, organized by **Gondwana University, Gadchiroli in collaboration with International academy of Physical Sciences, Prayagraj**, 18th December,2020.

41. Utilization of waste fly ash for controlling the environmental pollution, One day International e-Conference on" Recent Trends in Material Science, Organized by **Department of Physics, Shree Shivaji Arts, Commerce and Science College, Rajura, Dist. Chandrapur, India**, 10th August 2020

42. Motivation of research for job employability, National webinar on Advance Materials and Applications, organized by **Department of Physics and Internal Quality Assurance Cell (IQAC), D.P.Vipra College, Bilaspur, India,** Tuesday, 14th July 2020.

43. How to Write a Scientific Research Proposal, Techno-Session Organized by **Technoved Solutions, Nagpur, India**, 12th July 2020.

44. Promotion of research and facility, National Webinar on the topic "Research Innovations and Extention: Criterion 3 of NAAC Assement Under Revised Accrediation Framwork", **Government Science College (Model and Autonomous), Jabalpur, India**, 25th June 2020.

45. Synthesis and characterization of nanomaterials and their applications, Emerging Trends in Material Science and Its Application for Sustainable Development, International Webinar, organized by **Sri Guru Tegh Bahadur Khalsa College, Jabalpur, India,** 06th June 2020.

46. Covid-19 impact and Contribution by Basic Science Teachers, E-Confernce with the theme "Innovative Science and Technology for Sustainable Future(NCISTSF-2020), **Sardar Patel Mahavidhyalaya, Chandrapur, India**, 31st May 2020.

47. Present Scenario of COVID-19 and Role of Physicist, Physics and Electronics in Fight Against Pandemic Covid-19,**Department of Postgraduate Studies and Reseach in Physcics and Electronics, Rani Durgavati University, Jabalpur, India**, 22nd May 2020.

48. Thermoluminescence radiation dosimetry : Synthesis of phosphors, International Web Conference on Science, Engineering and Technology, IWCSET-2020, Organized by **Society for Techologic Adnanced Materials of India (STAMI),** 15th May 2020.

49. Inovative Resarch, National Webinar on Innovative Research and Quality Improvement Initiative for Publication, **Arts, Comenrce and Science College, Maregoan, Yawamal, India**, 7th May 2020.

50. Synchronization Services Impact on Reseach, Online workshop on Google Drive: Storage and Synchronization Service Organized by IQAC, **Arts, Comenrce and Science College, Maregoan, Yawamal, India,** 3rd May 2020.

51. Value added courses imparting transferable life skills at Colleges for increasing employability for students, National Conference on Innovationa, Distinctiveness and best practices in curricular aspects, **Career College, Bhopal, M.P., India**, 7-8 Feb 2020.

52. Synthesis, color tuning and temperature depended characterization of inorganic phosphors for eco-friendly LED lighting, International Conference on 'Advances in Materials, Ceramics & Engineering Sciences' (AMCES- 2020), **Dayananda Sagar College of Engineering, Bangluru, India**, 17th – 18th January, 2020.

53. LED lighting, DST Inspire Internship Science Camp, **Govt. V.Y.T.PG Autonomous College, Durg, India**, 5th Jan 2020.

54. Synthesis, luminescence characterization and thermal stability of rare earth activated phosphors for solid state lighting, 3rd International Conference on Science & Engineering of Materials (ICSEM-2019), **School of Basic Sciences & Research, Sharda University, Greater Noida (UP), India**, 20th July, 2019.

55. Research proposal writing, submission and research paper writing in unpaid journal, **ISTE Recognized Knowledge Sharing Programme,** Priyadarshani College of Engineering, Nagpur, India, 6th July 2019.

56. Utilization of fly ash for radiation shielding and dosimetry applications**, National Symposium on Innovative Materials and Devices (NSIMD-2019),** Department of Physics, Sant Gadge Baba Amravati University, Amravati, India**,** 24th June 2019,

57. Utilization of Fly Ash as radiation shielding material, 3rd International Conference on thermal power : Chemistry & sustainable environment (TPCSE-2019), **Chandrapur Super Thermal Power Station, Chandrapur**, **India**, 5th June 2019.

58. Effective Scientific Communicaion in Scopus – Indexed Journals, Workshop on Effective Scientific Communicaion, **Jhulelal Institute of Technology, Nagpur, India**, 09th April 2019.

59. Thermoluminescence dosimetry : Recent development, Annual Conference on Small Field Dosimetry - Challenges and Solutions in Present Scenario, Western Chapter-Association of Medical Physicists of India, **National Cancer Institute, Nagpur, India,** 31st March 2019.

60. RGB light emitting rare earth activated phosphors and excellent thermal stability towords light-emitting devices, National Conference on Recent Advances in Nanotechnology (RAN-3019), **Toshniwal Arts, Commerce and Science College, Sengaon, Dist. Hingoli, India**, 05th March 2019.

61. Light emitting diode and it's application, National Conference on "Emerging trends in engineering, science and technology 2019 " **Shri Sai College of Engineering and Technology, Bhadravati, India**, 23rd Feb 2019.

62. Luminescence and it's Applications, **Jawaharlal Nehru Arts, Commerce and Science College, Wadi, Nagpur, India,** 22th Feb.2019.

63. Importance of power saving and green technology in new generation lighting, **Arts,Commerce and Science College, Moregoan, India**, 4th Feb.2019.

64. Luminescence of lanthanide ions for white light power saving LED lighting, National Conference on Recent trades in advanced materials & their applications (RTAMA-2019), **DES's Kirti M. Doongursee College, Dadar (W), Mumbai, India**, 12th Jan. 2019.

65. Importance of LED lighting and motivation for research, **Department of Applied Physics, O.P.Jindal University, Raigarh, India**, 30th Nov 2018.

66. Importance of LED lighting : Motivation for research, **Department of Physics, Sri Venkateswara University, Tirupati, India**, 13rd Nov 2018.

67. Importance of rare earth for LED, Refresher Course, **HRDC, Rani Durgawati University, Jabalpur, M.P., India**, 1st Nov 2018.

68. Paper writing and project presentation, Refresher Course, **HRDC, Rani Durgawati University, Jabalpur, M.P., India,** 1st Nov 2018.

69. Importance of LED lighting and motivation in research, Refresher Course, **HRDC, Rani Durgawati University, Jabalpur, M.P., India**, 31st Oct 2018.

70. Development of phototherapy phosphor, Refresher Course, **HRDC, Rani Durgawati University, Jabalpur, M.P., India,** 31st Oct 2018.

71. Impotance of research for M.Sc. students, **Government College for Men (Autonomous), Kadapa, A.P., India,** 26 Sept. 2018.

72. Importance of LED lighting and motivation for research, **S.K.R. and S.K.R., Government Degree College for Women, Kadapa, A.P., India,** 26 Sept. 2018.

73. Synthesis and luminescence characterization of rare earth ions activated inorganic phosphors for eco-friendly LED lighting, International Conference on Scinece, Technology and Applications of Rare EARTHS (ICSTAR), **Department of Physics, S.V.University, Tirupati, A.P., India,** 24 Sept. 2018.

74. Importance of LED lighting and motivation for research to students, **Department of Applied Physics, Priyadarshani College of Engineering, Nagpur, Nagpur, India**, 28th August 2018

75. LED's and it's Applications, One day symposium, on "Luminiating enhancements in digital electronics- 18 (LDE-E-18)", **Shri Mathuradas Mohota College of Science, Nagpur, India**, 8th August 2018.

76. Importance inorganic phosphors for LED applications, National Conference on Recent Trends in Advanced Materials and Applications (RTMA -2018), **D.A.V.College, Amritsar, Punjab** , 11th April 2018.

77. LED and its applications, One Day Symposium on "Luminiating Enhancements in Digital Electronics-2018" (LDE-E-18), **Department of Electronics, Shri Maturadas Mohota College of Science, Nagpur, India**, 10th Agu 2018.

78. Importance of LED lighting and motivation in research, **K.D.K.College of Engineering, Nagpur, India**, 15th Feb 2018.

79. Fly ash as high dose dosimetry for radioactivity determination, Iternational Conference on Fly Ash Utilization, Green ASHCON – 2017, organized by

MAHAGENCO, Dr.Ambedkar Audiotorium, Deeksha Bhoomi, Nagpur, India, 16th Dec 2017.

80. Motivation for Research and Job Oppurtunity, Inspire Intership Science Camp, Organizes by, Department of Science and Technology, Government of India, **Govt. V.Y.T. PG Autonomous College, Durg, (C.G.), India**, 27th Nov 2017.

81. Synthesis of high sensitive TLD (thermoluminescence dosimetry) materials, **AISECT University, Bhopal**, **India,** 12th April 2017.

82. Luminescence behavior of lanthanide ions in different host lattices and their application in LEDfor lighting, 7th South African Conference on Photonic Materials, **Department of Phyiscs, University of Free State, South Africa**, 28th March 2017.

83. Luminescence and its applications, **Department of Pgysics, Govt. Digvijay P.G. College, Rajnandgoan (C.G.), India**, 20th Feb 2017.

84. Importance of rare earth ions, 3rd Annual International Conference, TechEd-17, **Tulsiramji Gaikwad-Patil College, of Engineering and Technology, Nagpur, India**, 17th Feb 2017.

85. Luminescence of Eu ions in solid state lighting, Forth International Conference on Nanostructured Materials and Nanocomposites, **Mahatma Gandhi University, Kerala, India**, 11th Feb 2017.

86. Eu^{2+} doped phosphors for solid state lighting, National Conference on Luminescence and Applications (NCLA-17), **CSIR-Indian Institute of Chemical Technology (IICT), Hyderabad,** 10th Jan 2017.

87. Realization of solid state lighting through through phosphate and silicate based phosphors, International Symposium on Luminescence, Spectroscopy and Applications, **Phosphor Safari 2016 Hong Kong, Hong Kong University, Hong Kong**, 30th Dec 2016.

88. Solid state lighting: Present status, Future and Motivation for Research, **St.Francis De Sales' College, Nagpur, India**, 15th Sept 2016.

89. Luminescence materials, **Lokmanya School and Junior College, Warora, Dist. Chndrapur, M.S**., India, 6th Aug 2016.

90. Solid State Lighting: Present status, Future and Motivation for Research, **St. Francis De Sales' College, Nagpur**, 15th Sept 2016.

91. Synthesis of rare earth activated phosphors for eco-friendly LED lighting, International Conference on Science and Technology for Sustainable Development (ICSTSD-2016), **Hotel Istana, Kuala Lumpur, Malaysia**, 26th May 2016.

92. Synthesis and applicationsof advanced materials, National Level one week short term training programme on "Synthesis and applications of advanced materials"(SAAM-2016), **Deaprtment of Physics, National Institute of Technology (NIT), Raipur**, India, 17th April 2016.

93. An arrosted out look on the varsebility of thermoluminesnce dosimetry materials, National Conference on "Materials for specific Applications", **Department of Physciscs, Gokaraju Rangaraju Institute of Engineering and Technology, Bachupally, Kukatpally, Hydrabad**, India, 30th March 2016.

94. The LED lighting and environmental initiatives of LED lighting for energy saving, **Department of Physics, Shri Sant Gadge Maharaj Mahavidyalaya, Hingna**, India, 22nd March 2016.

95. Importance of Phototheraphy lamps, National Seminar on Recent Trends in life sciences and materials science, **R.M.G Arts and Science College, Nagbhid; M.Z.Arts, Com. and Sceice College, Gesaiganj and Gramgeeta Arts, Comm and Science College, Chanrdrapur**, India, 15th March 2016.

96. Synthesis of high sensitive phosphors for thermoluminescence dosimetry, Internatinal Conference on Recent Trends in Sceince and Engineering (ICRTSE-2016), **Department of Physics and Chemistry, Govt. V.Y.T.PG Autonomus College, Durg**, India, 15th January 2016.

97. Rare earth luminescence and novel synthesis of phosphors, National Seminar on Energy harvesting materials and techniques for sustainable development 2015, **Department of Physics, Govt.V.Y.T.PG Autonomous College,Durg**, India, 2nd Dec 2015.

98. Phosphate based phosphors for new generation LED based lighting, Internatinal symposium cum workshop on luminescence materials (ISWLM-2015), **Faculty of Technology and Engeering, M.S.University of Baroda, Baroda, India** and Luminescncence Socity of Indaia, 20th December 2015.

99. Importance of LED lighting, Referesher Cource in **U.G.C. Human Resource Development Centre, R.T.M.Nagpur University, Nagpur,** India, 11th December 2015.

100. Introduction to solid state lighting-New LED technology, **Department of Physics, J.M.Pael Arts, Commerce and Science College, Bhandara,** India, 30th Octomber 2015.

101. Photoluminescence in high potential silicate phosphors, Natinal Conference on Recent Aadvances in Phyiscs (NCRAP-2015), **Department of Physics, S.G.G.Govt.PG College, Kurud, India,** 28th Octomber 2015.

102. Synthesis of power saving materials for near UV excited LED applications, Advanced Materials World Congress 2015, **Viking Line, Stockholm, Sweden**, 24th August 2015.

103. Tungstate: A promising phosphors for various fields of luminescence, Third National Conference on Applied Physics and Materials Science, **Department of Physics, Vasavi Collegeof Engineering, Hyderabad**, India, 8th August 2015.

104. Awareness about radiation for mine workers to control health safety for enhanced productivity, National Conference on Safety and health management systems to improve productivity in mines, **Vidarbha Productivity Council, Nagpur,** 25th July 2015.

105. Synthesis and photoluminescence characteristics of rare earth activated some silicate phosphors for LED and display devices, National Seminar of optoelectronics device materials (NSODM-2015), **Department of Physics, The Bapatla College of Arts and Sciences, Bapatla-522101, Andra Pradesh**, India, 20th June 2015.

106. Eco-friendly, low carbon emission and power saving LEDs lighting for a sustainable environment for future energy, 1st International Conference on Thermal Power: Chemistry and Sustainable Environment (TPCSE-2015), Organized by Environment Cell, Chandrapur Super Thermal Power Station, Maharashtra State Power Generation Company Limited, Chandrapur, India, 5th June 2015.

107. Delopment of phosphors for new generation of lighting, National Conference on Recent Trends in Material Science (RTMS-2015), **Department of Physics, S.V.Degree College, Kadapa**, A.P., India, 1st March 2015.

108. New generation of lighting, Refresher course in IT application has been sponsored by UGC, **Department of Electronics, UGC-Academic Staff College, R.T.M. Nagpur University, Nagpur**, India, 25th Feb 2015.

109. Importance of power saving and green technology in new generation of lighting, National Conference on Novel synthesis of advanced materials and their applications(NSAMA-2015), **Department of Physics, Arts, Commerce and Science College, Maregoan (Road), Wani**, India, 16th February 2015.

110. Development of RGB tricolors phosphors for solid state lighting, National Seminar on Display Materials(NSDM-14), **Department of Physics, PBN College, Nidubrolu,A.P., India**, 7th Nov 2014.

111. Importance of LED in generation lighting, Deaprtment of Physics, **Dharmpeth M.P.Memorail Science College, Nagpur,** Inida, 18th October 2014.

112. Solid State Lighting – Base of Nobel Prize in Physics- 2014, **Department of Physics, VMV College, Nagpur, India,** 14 Oct 2014.

113. Development of Gd^{3+} based phosphor materials for phototherapy, National Seminar on Shaping the future with green chemistry (SFGC-14), **Department of Chemistry, Shree Padmavathi Mahila Hindu Kalasala, Machilipatnam, Andhra Pradesh**, 27th June 2014.

114. Importance and applications of computer in the field of materials research, National Conference on Luminescence and its applications (NCLA-2014), **Department of Physics and Electronics, Rani Durgavati University, Jabalpur, India,** 6th Feb 2014.

115. Luminescence in rare earth activated pyrophosphate phosphors, National Conference on the Synthesis of Materials: Characterization and Applications, **Department of Physics, J.M.Patel Arts, Commerce and Science College, Bhandara, Maharastra**, 31st Jan 2014.

116. New generation of lighting, **S.J.Dhoble**, Refresher Course in Environmental Science (Sponsored by U.G.C.),**U.G.C. Academic Staff College, R.T.M. Nagpur University, Nagpur**, 3rd Dec. 2013.

117. Importance of eco-friendly LED lighting, **S.J.Dhoble**, Refresher Course in Chemistry (Sponsored by U.G.C.), **U.G.C.-Academic Staff College, R.T.M. Nagpur University, Nagpur**, 29th Nov. 2013.

118. Synthesis of nanophosphors for LED and TLD, **S.J.Dhoble**, Refresher Course in Chemistry (Sponsored by U.G.C.), **U.G.C.-Academic Staff College, R.T.M. Nagpur University, Nagpur**, 29th Nov. 2013.

119. Importance of computer applications in material research, **S.J.Dhoble**, Refresher Course in I.T. Application (Sponsored by U.G.C.), **U.G.C.-Academic Staff College, R.T.M. Nagpur University, Nagpur**, 28th Nov. 2013.

120. Phosphors for thermoluminescence radiation dosimetry, **S.J.Dhoble,** National Workshop on Luminesnce Materials Devices and Applications (NWLMDA 2013), **Departmwnt of Physics, Bangalore University, Bangalore, India,** 23rd Nov.2013**.**

121. Theoretical and experimental basis of Santilli's IsoRedShift (IRS), "2013 International Workshop on Hadronic Chemistry, Mathematics and Physics" (23rd 26th Oct 2013), **Department of Chemistry, R.T.M.Nagpur University, Nagpur, India,** 25th Oct 2013**.**

122. Theoretical and experimental basis of Santilli's IsoRedShift (IRS), scientific paper in the "International Conference of Numerical Analysis and Applied Mathematics 2013 (ICNAAM2013) (21stSept- 27th Sept 2013), **Rodos Palace-Conference Center, Rodoes, Greece,** 23rd Sept 2013.

123. Synthesis of $Sr5SiO_4Cl_6:Eu^{3+}$, $NaAlSiO_4:Tb^{3+}$ and $Sr_2P_2O_7:Dy^{3+}$ materials for green technology of lighting, National Conference VIMARSH 2013, **Department of Applied Physics, Chouksey Engineering College, Bilaspur, India,** 12th Sept 2013.

124. Energy conservation in lighting, **81th Orientation Programme organized by UGC-Academic Staff College, R.T.M.Nagpur University, Nagpur**, 1st July 2013.

125. Computer as an indispensable tool in materials research**, S.J.Dhoble**, All India Conference on global innovations, **Department of Physics, Chhatrapati Shivaji Institute of Technology, Durg, Chhattisgarth, India**, 12th April 2013,

126. Role of computer in materials research, **S.J.Dhoble**, National Seminar on Nanomaterials: Synthesis and Application (NSNSA-2013), **Department of Physics, Govt.Autonomous Post Graduate Coleege, Chhindwara, M.P., India,** 5th March 2013.

127. Synthesis of blue emitting aluminate based phosphors, **S.J.Dhoble**, National Seminar on Materials preparation and Characterization: Nanoparticles and Future Trends, **Department of Physics, Sindhu Mahavidhyalaya, Nagpur**, 24th Feb 2013.

128. Importance of computer in luminescence research, **S.J.Dhoble**, National Workshop on computer applications in science teaching, learning and research, **Department of Physics and Computer Science, Govt.E.Raghvendra Rao P.G.Science College, Bilaspur ,C.G.,** 1st Feb 2013.

129. Develoment of Lamp and TLD materials, **S. J. Dhoble, Department of Physics, Bhilai Mahila Mahavidhyalaya, Bhilai, C.G.,** 14th Jan 2013.

130. Luminescence characterization of blue emitting aluminates based lamp phosphors, **S. J. Dhoble,** National Conference on Luminescence and its Applications (NCLA 2013), **Department of Science and Humanities, PES Institute of Technology, Bengaluru,** 9th Jan 2013.

131. Solar based LED of future lighting, S.J.Dhoble, **Department of Physics, Govt.V.Y.P.G.Auto. College, Durg (C.G.)**, 21ST Dec.2012.

132. Synthesis of power saving materials for near UV excited LED applications, Advanced Materials World Congress 2015, **Viking Line, Stockholm, Sweden**, 24th August 2015.

133. Synthesis of power saving materials for near UV excited LED applications, Advanced Materials World Congress 2015, **Viking Line, Stockholm, Sweden**, 24th August 2015.

134. Challenges of display devices: Fabrication of devices and synthesis of materials, S.J.Dhoble, U.G.C. Refresher course in IT application, **UGC Refresher Course, Department of Electronics and Computer Science, R.T.M.Nagpur University, Nagpur, India**, 23rd Oct, 2012.

135. Importance of LED based solar modified lighting, **UGC Refresher Course, Department of Electronics and Computer Science, R.T.M.Nagpur University, Nagpur, India**, 23rd Oct, 2012.

136. Display Devices: Past, Present and Future, S.J.Dhoble, Recent Research in Science and Technology, **Department of Physics, A.C.Girls College, Raipur, Chhattisgarh, India**, 16th Oct, 2012.

137. Importance of LEDs in modern lighting, S.J.Dhoble, **Department of Electronics and Computer Science, R.T.M.Nagpur University, Nagpur, India**, 5th Oct, 2012.

138. Synthesis of R.G.B phosphors for lamp industry, National Workshop on National and Nanotechnology, **Department of Physics, R.T.M.Nagpur University, Nagpur, India, 12th March 2012.**

139. Eco-friendly lighting, S.J.Dhoble, Referesher Course, **Department of Physics, R.T.M.Nagpur University, Nagpur, India,** 14th Feb 2012**.**

140. Synthesis of high sensitive Li based phosphors for thermoluminescence dosimetry, **S. J. Dhoble**, S. P. Puppalwar and N. S. Dhoble, **Rajiv Gandhi University of Knowledge Technology, Hydrabad, India,** 4th International Conference on Luminescence and its Applications (ICLA-2012),. 10th Feb, 2012,

141. Eco-friendly lighting, S.J.Dhoble, **Department of Physics, Nabira Mahavidhyalya, Katol, India**, 18th Jan. 2012.

142. Photoluminescence in halophosphate phosphors: A review, **S.J. Dhoble** and K.N. Shinde, International Conference on Nanomaterials and Nanotechnology, **Department of Physics and Astrophysics, University of Delhi, India**, 19th Dec. 2011.

143. Development of TLD phosphors, S.J.Dhoble, **School of Studies in Physics and Astrophysics, Pt. Ravishankar Shukla University, Raipur (C.G.),India,** 12th Oct 2011

144. Importance of solar based LED lighting, **Department of Physics, V.M.V.Commerce, J.M.T. Arts and J.J.P.Science College, Nagpur, India**, 12th Sept, 2011.

145. Nano phosphors for thermoluminescence radiation dosimetry, S.J.Dhoble, **Department of Applied Physics, O.P.Jindal Institute of Technology, Raigarh, C.G., India,** 14th June 2011.

146. Development in lighting: Past and present, S.J.Dhoble, National Conference on Advanced Technologies in Material Science and Their Applications, **Department of Physics and Chemistry, Arts, Commerce and Science College, Arvi, Dist Wardha, Maharastra**, India, 6th March 2011.

147. Development of high potential phosphate based phosphor, S.J.Dhoble and K.N.Shinde, National Conference on Luminescence and its Applications, **School of Studies in Physics and Astrophysics, Pt. R. S. University, Raipur,** India, 07th Feb, 2011.

148. Effect of nano particle on thermoluminescence dosimetry, S.J.Dhoble, **Department of Nano science and nano technology, Science College, Nagpur, India,** 23th Jan 2011.

149. Need of eco-friendly and low energy consumption lighting, **Department of Physics, K.Z.S.Science College, Bramhani, Kalmeshwar, India**, 15th Oct 2010.

150. Synthesis of optoelectronics materials for LED lighting, National Seminar on Recent Trends in Digital Communication (RTDC-2010), **Department of Electronics, N.H.College, Bramhapuri, India,** 13th March, 2010.

151. Importance of nano optoelectronics materials", National Symposium on New Horizones in Physics and Electronics, **Department of Physics and Elecronics, St.Thomas College, Bhilai, India,** 8th Jan 2010.

152. Physics of new generation for eco- friendly lighting", **Department of Applied Physics, Tulsiramji Gaikwad- Patil College of Engineering and Technology, Nagpur, India,** 06 Jan 2010.

153. Luminescence and it's applications', Inauguration of Physics Socity 2009-2010, **Department of Physics, Dr.Ambedkar College, Nagpur, India,** 11 Dec 2009.

154. Synthesis of phosphors for new generation of lighting", National Conference on Recent Trends in Material Synthesis and Characterization (NCRTMSC-2009), **Department of Physics, Bhalerao Science College, Saoner, Nagpur, India,** 04 Dec 2009.

155. Synthesis of phosphors for solid state lighting**,** Indo-Russian Workshop on Nanotechnology and Laser Inducsd Plasma (International Workshop) (IRNANO- 2009), **Department of Physics and Astrophysics, Delhi University, New Delhi, India,** 26 Nov 2009.

156. Synthesis of high sensitive phosphors for thermoluminescence dosimetry, National Conference on Acceleration and Low Level Radiation Safety (NCALLRS), **Inter University Acceleration Centre (Formaly Nuclear Science Centre), New Delhi, India,** 19 Nov 2009.

157. Display devices and synthesis of phosphors for PDP, **S.J. Dhoble**, National Seminar on Display Phosphors and Its Applications (NSDPA-2009), **Department of Physics, Vivekananda Degree College, Bangalore,** 23rd Oct 2009.

158. Synthesis of new materials for next generation of lighting', Department of Applied Physics, National Conference on Recent Advances in Nanoscience and Nanotechnology, **Shri Shankaracharya College of Engineering and Technology, Junwani, Bhilai (C.G.), India**, 12 Jan. 2009.

159. Synthesis of nanomaterial for solid state lighting", **School of Studies in Physics, Pt. Ravishankar Shukla University, Raipur (C.G.), India**, 13 Jan. 2009.

160. Display devices and synthesis of phosphors for PDP", National Seminar on Display Phosphors and Its Applications (NSDPA-2009), **Department of Physics, Vivekananda Degree College, Bangalore**, India, 23 Oct 2009.

161. $BaMgAl_{10}O_{17}$:Eu PDP phosphor for TLD applications", Conference on "Accelerator and low level radiation safety" , **Inter-University Accelerator Centre, (Formaly Nuclear Science Centre**) **New Delhi, India,** 27 April 2007.

162. Synthesis of display devices materials", Celebration of Science Day, **Govt. Autonomous. P.G. Science College, Bilaspur, CG. India,** 28 Feb. 2007.

163. A review on display devices", National Conference on Luminescence and its Applications**, Dept. of Physics, SGB Amravati University, Amravati, MS, India**. 8 Feb 2006.

164. Synthesis and characterization of luminescent materials", National level Seminar on Emerging issues and challenges in Physics and Electronics, **Dept. of Physics and Electronics, St. Thomas College, Bhilai, CG, India.** 9 Sep 2005.

165. Importance of thermoluminescence technique for radiation measurements using inorganic phosphors, workshop on Accelerator and Environmental Safety, **Nuclear Science Centre, New Delhi, India**, 23 Apr 2004.

166. Synthesis of luminescent materials: Thermoluminescence Dosimetry, International Conference on Luminescence and its applications**, Bhabha Atomic Research Centre (BARC), Trombay, Mumbai, India**, 11 Feb 2004.

167. Novel synthesis of thermoluminescence phosphors, National Seminar on recent advances in Mathematical Physics, **Department of Mathematics and Physics, Shri Dnyanesh Mahavidyalaya, Navargaon, India,** 04 Jan 2004

168. Lyoluminescence in sulphate based phosphors and application to radiation dosimetry, National Conference on Luminescence and its Applications, **Dept. of Physics, Manipur University, Canchipur, Imphal, India**, 16 Dec 1998.

Reporteur session:

Session of chemiluminescence and mechanoluminescence : National Seminar on "Luminescence and its applications" (12-14 Feb 2003), **National Physical Laboratory, New Delhi.**

Best Research Paper Poster/Oral Presentation Awards: By my research scholars

1. Luminescence of Eu^{2+} ion in $K_6Ca_4(SO_4)_6F_2$ phosphor, Chaitali M.Mehare, N.S.Dhoble and **S.J.Dhoble**, National Symposium on Innovative Materials and Devices (NSIMD-2019), **Department of Physics, Sant Gadge Baba Amravati University, Amravati, India**, 24-25 June 2019, pp.29.

2. A dimensional development of optical nanomicrostrip antenna towards aviation signalling mechanism, A.P. Bhat, **S. J. Dhoble** and K.G.Rewatkar, National

Symposium on Innovative Materials and Devices (NSIMD-2019), **Department of Physics, Sant Gadge Baba Amravati University, Amravati, India**, 24-25 June 2019, pp.60.

3. Spectroscopic Characterizations of a new near-UV-converting Cyan-emitting $RbBaScSi_3O_9:Eu^{2+}$ Phosphor. Govind B. Nair, Sudeshna Ray and **S.J. Dhoble**; *Ramanujan Conference 2017*; Organized by Department of Physics, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur, 3rd and 4th March February, 2017.

4. Synthesis of $BaMgF_4:Eu^{3+}$ phosphor and investigation of its thermoluminescence properties, Sumedha Tamboli, **S. J. Dhoble**, Proceeding of National Conference on Luminescence and its Applications (ISBN: 978-93-82570-85-1), Organized by LSI, MGNIRSA and IICT, Hyderabad, Telangana, 9-11 January 2017, pp 192.

5. Luminescence Properties of $NaCaPO_4:Dy^{3+}$ phosphors. Govind B. Nair and **S.J. Dhoble**; National Conference on Luminescence and its Applications (NCLA-2016), Organized by Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur & Taywade College, Koradi, Nagpur in association with Luminescence Society of India (LSI), 18th-20th February, 2016, pp 132.

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8. Novel Orange-emitting $Ca_3Mg_3(PO_4)_4:Sm^{3+}$ phosphors for solid-state lighting. Rafiya Sheikh, Govind B. Nair and **S.J. Dhoble**; National Conference on Luminescence and its Applications (NCLA-2016), Organized by Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur & Taywade College, Koradi, Nagpur in association with Luminescence Society of India (LSI), 18th-20th February, 2016, pp 268.

9. Photoluminescence Properties of Dy^{3+} ions in $NaCaPO_4$ phosphor, Govind B. Nair and **S.J. Dhoble**; National Seminar on Recent Trends in Emerging Materials (RTEM-2016), Organized by Department of Physics, Government Model Science College (Autonomous), Jabalpur, Madhya Pradesh, India, 4th March, 2016, pp 20-21.

10. Kinetic parameters of thermoluminescence glow curve of γ –ray and electron beam irradiated novel $Na_2Sr_2Al_2PO_4Cl_9$: Sm^{3+} phosphor, Sumedha Tamboli and **S. J. Dhoble**, Proceeding of National Conference on Luminescence and its Applications (ISBN: 978-93-82570-72-1), R.T.M. Nagpur University, Nagpur. 18th-20th February-2016, pp. 13.

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12. Synthesis and Photoluminescence study of NUV excited $NaCaBO_3:Dy^{3+}$phosphor for phosphor converted white LED application. Sumedha Tamboli, **S. J. Dhoble**. National Conference on Novel Synthesis of Advanced Materials and their applications (NSAMA) Maregaon, 16 Feb 2015, pp 152-154.

13. Synthesis of $MMgF_4:Tb^{3+}$ (M=Ca, Ba, Sr)phosphors and study of its luminescence properties, Sumedha Tamboli, Bhushan P. Kore, N. S. Dhoble and **S. J. Dhoble**, Proc. National Conference on Advanced Materials (ISBN: 978-93-81432-70-9), Department of Physics, Nabira College, Katol, 1st March 2014. pp 263-265.

14. Blue Light Excited Red Emitting $LiMgBO_3:Eu^{3+}$ Phosphor for WLEDs, M M Yerpude, N S Dhoble and **S J Dhoble**, International Conference on Luminescence and its Application(ICLA-2015), PES University, Bangalore, India.

15. TL Characterization of $LiCaAlF_6$: Ce^{3+} Irradiated by C^{5+} ion Beam, M M Yerpude, N S Dhoble, S P Lochab and **S J Dhoble**, International Conference on Luminescence and its Application(ICLA-2015), PES University, Bangalore, India.

16. EPR and TL Co-relation in combustion route synthesized Dy^{3+} activated $LiMgBO_3$ phosphor, M M Yerpude and **S J Dhoble** National Conference on Luminescence and its Application (NCLA-2016), RTM Nagpur University, Nagpur, Maharashtra, India.

17. Efficient and eco-friendly $KCaPO_4$:Dy phosphors for solid state lighting, S. Pingle, G.B. Nair and **S.J. Dhoble**, 1st International Conference on Thermal Power: Chemistry and Sustainable Environment (TPCSE-2015), Organized by Environment Cell, Chandrapur Super Thermal Power Station, Maharashtra State Power Generation Company Limited, Chandrapur , India, 5th June 2015, pp 32.

18. Eu^{3+} and Dy^{3+} activated diphosphate phosphors for energy saving white LEDs, K.S. Dhoble, J.A.Wani and **S.J. Dhoble,** 1st International Conference on Thermal Power: Chemistry and Sustainable Environment (TPCSE-2015), Organized by Environment Cell, Chandrapur Super Thermal Power Station, Maharashtra State Power Generation Company Limited, Chandrapur, India, 5th June 2015, pp 25.

19. Combustion synthesis and luminescence characterization of $K_2SrP_2O_7$: Eu phosphor, Ketki S.Dhoble, J.A.Wani and **S. J.Dhoble**, International Journal of Researches in Biosciences, Agriculture and Technology, 2(2015) 387-391.

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27. Synthesis of $MMgF_4:Tb^{3+}$ (M=Ca, Ba,Sr)phosphors and study of it's luminescence properties, Sumedha Tamboli, Bhushan P.Kore,N.S.Dhoble and **S.J.Dhoble**,National Conference on Advanced Materials, Department of Physics, Nabira College, Katol, 1st March 2014.

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30. Comparison between thermoluminescence studies of γ- ray and electron irradiated $Na_{21}Mg(SO_4)_{10}Cl_3$:Dy, Bhushan P Kore, N.S.Dhoble, S.P. Lochab and **S.J.Dhoble**, National Conference on Luminescence and its Applications (NCLA 2013), Department of Science and Humanities, PES Institute of Technology, Bengaluru 8-10 Jan 2013, pp 119-120.

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36. Combustion synthesis and characterization of $BaMgF_4:Dy^{3+}$ phosphor, Tushar R.Shelke, S.J.Dhoble and V.M.Nanoti, Proc. Nat. Conf. on Nanoscience and Technology, Department of Physics, Science College, Nagpur, M.S., India, 21-22 Feb, 2011, pp.155-159.

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48. Synthesis of $Sr_5(PO_4)_3F :Eu^{2+}$ blue nanophosphors for solid state lighting, K.N. Shinde, I. M. Nagpure, **S. J. Dhoble**, S. V. Godbole and M.K.Bhide, 4th Annual National Conf. on Latest Trends in Nanotechnology, V.P.M's Polytech., Thane, India, 5th Jan 2008 .

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Chairmanship of the Session in Conference:

- Internaional Conference on Recent Advances in Panchagavya Research and Innovations (Panchagavya-2023), at **Datta Meghe Auditorium Sawangi (M), Oraganized by Mahatma Gandhi Ayurved College Hospital and Research Centre, DMIHER(DU), Wardha**, **India,** 12th March 2023.

- National Symposium on "Functional Materials for Sustainable Development", Organized by **The National Academic of Sciences, India (NASI), Nagpur Chapter, In Association with Rashtrasant Tukadoji Maharaj ,Nagpur University, Nagpur, India,** 12th October 2022.

- National Conference on "Luminescence and it's Applications NCLA-2021 "Hybrid Mode"", Organized by **Department of Physics, Govt. VYT PG Auto. College, Durg, India** and Luminescence Society of Luminescence of India, 10th December 2021.

- XXI National work-cum seminar in ferroelectric and dielectrics (NSFD-2021) Organized by Virtual platform, of **Department of Physics, R.T.M.Nagpur University, Nagpur, India**, 11th January 2021.

- International Conference on Recent Trends in Advanced Materials-2020 (ICRTAM-2020), Jointly Organized by **Nevjabai Hitkarini College, Bramhapuri, Dist- Chandrapur, Late B.S.Arts, Prof. N.G. Science and A.G. Commerce College, Sakharkheda, Dist.Buldhana and Shri. Gadge Maharaj Mahavidhyalaya, Hingna, Dist. Nagpur**, **India,** 6th July 2020.

- 11th National Conference on Solid State Chemistry And Allied Areas (NCSCA-2019), Organized by **S. K. Porwal College of Arts, Science & Commerce, Kamptee** ,In association with Indian Association of Solid State Chemists &Allied Scientists (ISCAS), Jammu, 20th December 2019.

- International Conference on Ultrasonics and Materials Science for Advanced Technology 2019 (ICUMSAT-2019), , **Department of Physics, Veer Bahadur**

Singh Purvanchal University, Jaunpur-222003, U.P., India, 16th November, 2019.

- **3rd International Conference on Science & Engineering of Materials (ICSEM-2019),** School of Basic Sciences & Research, Sharda University, Greater Noida (UP), India, 21st July, 2019.

- **National Conference on Novel synthesis of advanced materials**, Department of Electronics, D. B. Sceince College, Gondia, India, 20th December 2015

- **Advanced Materials World Congress 2015**, Viking Line, Stockholm, Sweden, 24th August 2015(Co-Chair).

- **1st International Conference on Thermal Power: Chemistry and Sustainable Environment** (TPCSE-2015), Organized by Environment Cell, Chandrapur Super Thermal Power Station, Maharashtra State Power Generation Company Limited, Chandrapur, India, 5th June 2015

- **National Conference on Recent Trends in Material Science (RTMS-2015),** Department of Physics, S.V.Degree College, Kadapa, A.P., India, 2nd March 2015.

- **National conference on Nanoscience for Sustainable Developmnet,** Department of Physics, Dr.Ambedkar College, Deekshbhoomi, Nagpur, 23rd Feb 2015.

- **International Symposium on Ultrasonics (ISU-2015),** Department of Physics, R.T.M.Nagpur University, Nagpur, India, 24th Jan 2015.

- **National Conference on Novel Synthesis of Advanced Materials** (ISBN: 978-93-82962-51-9), Department of Electronic, D.B.Science College, Gondia, India, 20th Dec 2014.

- **National Seminar on Display Materials(NSDM-14),** Department of Physics, PBN College, Nidubrolu, A.P., India, 8th Nov 2014.

- **National Conference on "Recent development in material science and technology",** Department of Physics, Arts, Commerce and Science Colege, Koradi, Dist- Nagpue, India, 11th Oct 2014.

- National Seminar on Shaping the future with green chemistry (SFGC-14), **Department of Chemistry, Shree Padmavathi Mahila Hindu Kalasala, Machilipatnam, Andra Pradesh**, 28th June 2014.

- National Conference on Advanced Materials, **Department of Physics, Nabira Mahavidhyalaya, Katol, India,** 1st March 2014.

- International Conference on Applications of Advanced Materials for Sustainable Development, **Department of Chemistry, Dr. Ambedkar College, Nagpur, India,** 18th Jan 2014.

- 2013 International Workshop on Hadronic Chemistry, Mathematics and Physics, **Department of Chemistry, R.T.M. Nagpur University, Nagpur, India,** 26th Oct 2013.

- National Conference on Synthesis and Applicaions of Novel Materials, **Department of Physics, VMV Commerce, JMT Arts and JJP Science College, Nagpur, India,** 5th Oct. 2013.

- National Conference on "Applied Physics and Materials Science" (APMS-2013), **Department of Physics, Vasavi College of Engineering, Hyderabad**, 20th July 2013.

- All India Conference on global innovations, **Department of Physics, Chhatrapati Shivaji Institute of Technology, Durg, Chhattisgarth, India**, 12th April 2013.

- National Seminar on Nanomaterials: Synthesis and Application (NSNSA-2013), **Department of Physics, Govt.Autonomous Post Graduate Coleege, Chhindwara, M.P., India,** 5th March 2013.

- National Conference on Nanomaterials: New horizon for betterment of mankind, **Department of Chemistry and Physics, Science College, Nagpur,** 28th Feb 2013.

- National Workshop on computer applications in science teaching, learninig and research, **Department of Physics and Computer Science, Govt.E.Raghvendra Rao P.G.Science College, Bilaspur, C.G.,** 1st Feb 2013.

- International Conference on Nanomaterials and Nanotechnology, **Delhi University**, 20th December 2011.

- Conference on Gravitation Theories and Astronomy (CGTA), Nilkanthrao Shinde Science and Arts College, **Bhadravati, Chandrapur**, India, 28 Dec 2009.

- National Conference on Recent Advancement in Material Science (NCRAMS-2010), Department of Chemistry, Jagat Arts, Commerce and I.H.P.Science College, **Goregoan,** India, 25 Feb, 2010.

- 1st International Congress on Advanced Materials, **University of Jinan, Jinan City, Shandong, China**, 13th May 2011.

Academic Refresher Courses:

- Refresher Course, in Physics, St. Francis De Sales College**, Nagpur** (17 Oct-7 Nov 1994).
- Refresher Course, in Physics, Department of Physics, Amravati University, **Amravati** (04-27 Oct 1997).
- Refresher Course in Physics, Department of PG Studies and Research in Physics and Electronics, Rani Durgavati University, **Jabalpur**, (4-23 Mar 2002).

Recognized Ph.D. Supervisor:

- In ***Physics,*** **Nagpur University, Nagpur**, INDIA (Acad./Recog.(Guide)/D/313), dated 05 May 1998.

- In ***Physics,*** **Guru Ghasidas University, Bilaspur,** INDIA (319/Aka/Ni.Ma./Shodh/2000), dated 01 March, 2000.

- In ***Electronics,*** **Nagpur University, Nagpur**, INDIA (Acad./Recog. (Guide)/Sci/Ph D Cell/2/5638), dated 07 Jan 2005.

- In **Metallurgical and Material Engineering**, O.P.Jindal University, Raigarh (C.G.) , India, (OPJU/SOE/2017/430, Dated 20th Dec 2017).

Conferences/Seminars/Workshops attended:

1. National Webinar for training on "Rusa Web Based Software Application", Organised by **Mithibai College of Arts, Chauhan Institute of Science and Amrutben Jivanlal ollege of Commerce and Economics (Autonomous), Mumbai** in collaborationwith state project directorate RUSA, Maharashtra, 8th July 2020.

2. International Conference o Recent Trends in Advanced Materials-2020, organized by **N.H.College, Bramhpuri, Late B.S.Arts, Prof N.G.College and A.G.Commerce College, Sakharkeda, Sant Gadge Maharaj Mahavidhyalaya College, Hingna**, India and Luminescence Society of India, 6th July 2020.

3. National E-Conference on "Smart materials and naotechnology" organized by **Department of Physics, Kamla Nehru Mahavidhyalay, Nagpur**, 30th May 2020.

4. 107th The Indian Science Congress Association, **University of Agreculture Scence, Bangalore, India**, 3rd-7th January 2020.

5. Vidarbha Young Scholars Conference, **R.T.M.Nagpur University, Nagpur, India**, 29th-30th March 2019.

6. Internatonal Conference on "Redefining Enviromental Governance for Smart City", **R.T.M.Nagpur University, Nagpur, India**, 2nd March 2019.

7. National Science Day-2019, **R.T.M.Nagpur University, Nagpur, India**, 28th Feb 2019.

8. Orientation Workshop on SWAYAM and MOOCs, **Multi Facility Computer Centre (RUSA), R.T.M.Nagpur University, Nagpur, India,** 26th March 2018.

9. The Indian Science Congress, **Manipur University, Imphal**, 16th -20th March 2018.

10. National Workshop on "India's New Urban Agenta", Organized by **Department of Public Administration and LSG and Career and Counceling Cell, R.T.M.Nagpur University, Nagpur** on 29th Sept 2016.

11. Workshop on Intellectual Property of Right(IPR) organized by Rashtriya Uchchatar Shiksha Abhiyan (RUSA), Maharashtra; Rajiv Gandhi Institute of Intellectual Property Management and R.T.M.Nagpur University, Nagpur at **R.T.M.Nagpur University, Nagpur** on 22nd Aug 2016.

12. Third National Conference on Applied Physics and Materials Science, **Department of Physics, Vasavi College of Engineering, Hyderabad**, India, 7th - 8th August 2015.

13. National Conference on Safety and health management systems to improve productivity in mines, **Vidarbha Productivity Council, Nagpur,Hotel Tuli International, Nagpur**, India,23rd- 25th July 2015.

14. National Seminar of optoelectronics device materials(NSODM-2015), **Department of Physics, The Bapatla College of Arts and Sciences, Bapatla-522101, Andra Pradesh**, India, 20th June 2015.

15. 1st International Conference on Thermal Power: Chemistry and Sustainable Environment (TPCSE-2015), Organized by Environment Cell, **Chandrapur Super Thermal Power Station, Maharashtra State Power Generation Company Limited, Chandrapur** , India, 5th June 2015.

16. National Conference on Recent Trends in Material Science (RTMS-2015), **Department of Physics, S.V.Degree College, Kadapa**, A.P., India, 1st – 2nd March 2015.

17. National Conference on Novel synthesis of advanced materials and their applications(NSAMA-2015), **Department of Physics, Arts, Commerce and Science College, Maregoan (Road), Wani**, India, 16th February 2015.

18. International Conference on futuristics materials and emergingtrends in forensic and life sciences, **Department of Chemistry, R.T.M.Nagpur University, Nagpur**, India, 5th – 7th February 2015.

19. National Conference on Novel Synthesis of Advanced Materials, **Department of Electronic, D.B.Science College, Gondia,** India, 20th Dec 2014.

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21. National Conference on Recent Development in Material Science and Technology (RMDST – 2014), **Department of Physics, ACS College, Koradi, Dist. Nagpur**, India, 11th October 2014.

22. 56th Accelerator users workshop, **Inter-Uiversity Accelerator Centre (IUAC), New Delhi, India**, 6th July -7th July 2014.

23. National Seminar on Shaping the future with green chemistry (SFGC-14), **Department of Chemistry, Shree Padmavathi Mahila Hindu Kalasala, Machilipatnam, Andra Pradesh**, 27th and 28th June 2014.

24. National Workshop on Advanced Materials (NCAM- 2014), **Departmwnt of Physics, Nabira Mahavidhyalaya, Katol, India,** 1st March.2014**.**

25. International Conference on Applications of Advanced Materials for Sustainable Development, **Department of Chemistry, Dr. Ambedkar College, Nagpur, India,** 17th-18th Jan 2014

26. National Symposium for Research Scholars on Recent Advances in Physics and Materials Science (RAPMS-2014), **Department of Physics, R.T.M.Nagpur University, Nagpur,India,** 11th Jan 2014.

27. National Workshop on Luminesnce Materials Devices and Applications (NWLMDA 2013), **Departmwnt of Physics, Bangalore University, Bangalore, India,** 22nd-23rd Nov.2013**.**

28. 2013 International Workshop on Hadronic Chemistry, Mathematics and Physics, **Department of Chemistry, R.T.M.Nagpur University, Nagpur,India,** 21st Oct-26th Oct 2013.

29. National Conference of India on Synthesis and Applicaions of Novel Materials, **Department of Physics, VMV Commerce, JMT Arts and JJP Science College, Nagpur, India,** 5th Oct. 2013.

30. International Conference of Numerical Analysis and Applied Mathematics 2013 (ICNAAM 2013), **Rodos Palace-Conference Center, Rhodes,Greece**, 21st Sept -27 Sept 2013.

31. National Conference VIMARSH 2013, **Department of Applied Physics, Chouksey Engineering College, Bilaspur, India,** 12th-13th Sept 2013.

32. National Conference on "Applied Physics and Materials Science" (APMS-2013), **Department of Physics, Vasavi College of Engineering, Hyderabad,** 19th -20th July 2013.

33. 54th Accelerator users workshop, **Inter-Uiversity Accelerator Centre (IUAC), New Delhi, India**, 6th July -8th July 2013.

34. All India Conference on global innovations, **Department of Physics, Chhatrapati Shivaji Institute of Technology,Durg, Chhattisgarth, India**, 12th-13th April 2013.

35. Workshop on Santilli's new mathematics for 21st century sciences, **Department of Chemistry, Smt.Bhagwati Chaturvedi College of Engineering, Nagpur, India**, 6th April 2013.

36. National Seminar on Nanomaterials: Synthesis and Application (NSNSA-2013), **Department of Physics, Govt.Autonomous Post Graduate Coleege, Chhindwara, M.P., India,** 4th -6th March 2013.

37. National Conference on Nanomaterials: New horizon for betterment of mankind, **Department of Chemistry and Physics, Science College, Nagpur,** 28th Feb 2013.

38. National Seminar on Materials preparation and Characterization: Nanoparticles and Future Trends, **Department of Physics, Sindhu Mahavidhyalaya, Nagpur**, 24th Feb 2013.

39. National Workshop on computer applications in science teaching, learninig and research, **Department of Physics and Computer Science, Govt.E.Raghvendra Rao P.G.Science College, Bilaspur ,C.G.,** 1st -2nd Feb 2013.

40. National Conference on Advanced Functional Materials, **Department of Chemistry, Visvesvarya National Institute of Technology, Nagpur,** 21st-23rd Jan 2013.

41. National Conference on Luminescence and its Applications (NCLA 2013), **Department of Science and Humanities, PES Institute of Technology, Bengaluru** , 8th - 10th Jan 2013.

42. 4th International Conference on Nanoscience and Nanotechnology, **Department of Physics, University of Free State, Bloemfontein, South Africa**, 1st April to 4th April 2012.

43. 1st International Congress on Advanced Materials, **University of Jinan, Jinan City, Shandong, China**, 13th -16th May 2011.

44. National Conference on Advanced Technologies in Material Science and Their Applications, Department of Physics and Chemistry, Arts, Commerce and Science College, **Arvi, Dist: Wardha, Maharastra,** India, 6th March 2011.

45. National Conference on Nanoscience and Technology, Department of Physics, Science College, **Nagpur, Maharastra.,** India, 21-22 Feb, 2011.

46. National Conference on Luminescence and its Applications, School of Studies in Physics and Astrophysics, Pt.R.S.University, **Raipur,** 07-09 Feb, 2011.

47. National Conference on nanoscience and nanotechnology (NSNT-2011), Department of Physics, Mahatma Gandhi Arts, Science and N.P. Commerce College, **Armori, Maharastra,** 6th Jan 2011.

48. National Conference on novel materials and their applications (NCNMA-2010), Department of Physics, Nilkanthrao Shinde Science and Arts College, **Bhadravati, Maharastra,**18th Dec 2010.

49. 16th International Conference on Solid State Dosimetry, **Sydney, Australia**, 19th - 24th September 2010.

50. National Conference on Synthesis of Advanced Materials and their Application, (SAMA-2010), Department of Physics, N.H.College, **Bramhapuri,** India, 13 March, 2010.

51. National Symposium on Nanotrends 2009-2010, Dharampeth M.P.Deo Memorial Science College, **Nagpur**, India, 12 March 2010.

52. National Conference on Recent Advancement in Material Science (NCRAMS-2010), Department of Chemistry, Jagat Arts, Commerce and I.H.P.Science College, **Goregoan,** India, 25 Feb, 2010.

53. National Conference on Luminescence and its Applications (NCLA-2010), Department of Physics, Gandhigram Rural Institute, **Gandhigram**, India, 09-11 Feb, 2010.

54. National Conference on " Nanomaterials and Nanotechnology" , Department of Chemistry and Chemical Engineering, Visvesvaraya National Institute of Technology, **Nagpur**, India, 18-20 Jan 2010.

55. National Symposium on New Horizones in Physics and Electronics, Department of Physics and Elecronics, St.Thomas College**,Bhilai,** India, 8^{th} & 9^{th} Jan 2010.

56. Conference on Gravitation Theories and Astronomy (CGTA), Nilkanthrao Shinde Science and Arts College, **Bhadravati, Chandrapur**, India, 28-30 Dec 2009.

57. National Conference on Recent Trends in Material Synthesis and Characterization (NCRTMSC-2009), Department of Physics, Bhalerao Science College,**Saoner, Nagpur,** India, 04-05 Dec 2009.

58. Indo-Russian Workshop on Nanotechnology and Laser Inducsd Plasma (International Workshop) (IRNANO-2009), Department of Physics and Astrophysics, Delhi University, **New Delhi,** India, 24-26 Nov 2009.

59. National Conference on Acceleration and Low Level Radiation Safety (NCALLRS), Inter University Acceleration Centre (Formerly Nuclear Science Centre), **New Delhi,** India, 18-20 Nov 2009.

60. National Seminar on Display Phosphors and Its Applications (NSDPA- 2009), Department of Physics, Vivekananda Degree College, **Bangalore**, India, 22-23 Oct 2009.

61. National Symposium on "Emerging Techniques in Material Science" (ETMS-2009), Department of Phys. Shri Mathuradas Mohota College of Science, **Nagpur**, India, 22 August 2009.

62. National Conference on Recent Advances in Nanoscience and Nanotechnology, Shri Shankaracharya College of Engineering and Technology, Junwani, **Bhilai** (C.G.), India, 12 Jan.2009.

63. Workshop on Recent Trends in Applications of Luminescence, organized by Shri Ramdeobaba K.N. Engineering College**, Nagpur,** India ,19 Jan 2008.

64. National Workshop on "Recent Trends in Novel Materials", Organized by Kamla Nehru Mahavidyalaya, **Nagpur**, India (18 Feb 2008).

65. National Conference on "Advanced Technologies in Materials and Crystals", Dr. Ambedkar College, **Nagpur**, India (28 -29 Jan 2008).

66. National Conference on "Physics and Spirituality", Organized by Forum on Science and Spirituality Gayatri pariwar, **Nagpur,** India (29-30 Sept 2007).

67. International Conference on "Environmental Management: Scenario and Strategies to 2020" ,Department of Chemical Engineering,Ujjain Engineering College, **Ujjain,MP**,India(26-27 Dec 2007).

68. Conference on "Accelerator and low level radiation safety", Inter-University Accelerator Centre, **New Delhi,** India (26-27 April 2007).

69. Seminar on "Laser Technologies", Institute of Electronics and Telecommunication Engineering, **Nagpur** Chapter (02 Apr 2006).

70. National Seminar on "Materials preparation and characterization" Dept. of Physics, RTM Nagpur University, **Nagpur,** India (28-29 Mar 2006).

71. National conference on "Recent trends in Nanoscience (NS-2006), Kamla Nehru Mahavidyalana, **Nagpur** (15 Jan 2006).

72. National Conference on "Recent advances in Material Science" Dept. of Physics, Dr. Ambedkar College, **Nagpur,** India (21-22 Jan 2006).

73. National Conference on "Luminescence and its application" (NCLA-2006) Dept. of Physics, St. Gadge Baba Amravati University, **Amravati,** India (7-9 Feb 2006).

74. National Seminar on'Physics for Advanced Engineering and Technology'Department of Applied Physics, Visvesvaraya National Institute of Technology, **Nagpur**, India (03-05 Mar 2005).

75. National level Seminar-2005, on Emerging issues and challenges in Physics & Electronics, Dept. of Physics and Electronics, St. Thomas College, **Bhilai (CG**), India (9-10 Sep 2005).

76. Workshop on "Accelerator and Environmental Safety" Nuclear Science Centre, **New Delhi** (22-23 Apr 2004).

77. National seminar on "Recent advances in Mathematical Physics" Department of Mathematics & Physics, Shri Dnyanesh Mahavidyalaya, **Navargaon** (04 Jan 2004).

78. National seminar on "Advanced materials (NSAM-2004), Kamla Nehru Mahavidyalaya, **Nagpur** (01 Feb 2004).

79. National Seminar on 'Growth and Characterization of Solid Materials' 2004, Department of Applied Physics, Laxminarayan Institute of Technology, Nagpur University, **Nagpur,** India (20-21 Nov 2004).

80. International conference on "Luminescence and its applications" Bhabha Atomic Research Centre (BARC), Trombay, **Mumbai** (09-12 Feb 2004).

81. State level seminar on "Recent trends in telecommunication" Dept. of Physics and Electronics, Dr. Ambedkar College, **Nagpur** (01 Feb 2003).

82. National Seminar on "Luminescence and its application- NSLA 2003 National Physical Laboratory, **New Delhi** (12-14 Feb 2003).

83. National seminar on "Advanced materials" Prof. D.K. Kulkarni felicitation, **Nagpur** (20 Dec 2003).

84. Workshop on 'Teaching Physics in the framework of UGC guidelines: A new approach' for B.Sc. Part-I, Dept. of Physics, Institute of Science, **Nagpur** (24 Aug 2002).

85. National Seminar on "Novel synthesis of meterials- NSNSM 2002", Kamla Nehru College, Sakkardara Sq., **Nagpur** (22 Dec 2002).

86. Conference on "General relativity and prospects of singularity", St. Francis De Sales College, **Nagpur** (11-12 Jan 2002).

87. 5th National Conference on Solid State Ionics, Department of Physics, Nagpur University, **Nagpur**, (15-17 Feb 2002).

88. The 13th International Conference on Solid State Dosimetry (SSD-2001), **Athens, Greece** (9-13 July 2001).

89. Seminar on Information Technology and its impact on Commerce Education, Kamla Nehru Mahavidyalaya, **Nagpur,** India (29 Apr 2001).

90. One day workshop on B.Sc. Final, Paper-III, Syllabus, Department of Physics, Institute of Science, **Nagpur**, (Oct 14, 2001).

91. National Seminar on Luminescence and its Applications (NSLA- 2001), Dept. of Physics, Osmania University, **Hyderabad,** India (17-18 Jan 2001).

92. National Seminar on Luminescence and its Applications (NSLA 2002)Dept. of Physics and Electronics, Rani Durgavati University, **Jabalpur**, India (16-18 Dec 2001).

93. National Seminar on Recent Trends in Optoelectronic materials, Department of Physics, Shri Guru Tegh Bahadur College, **Jabalpur,** India (27-29 Feb 2000).

94. International Symposium on Luminescence and its Applications (ISLA) 2000. Applied Physics Department, Faculty of Technology and Engineering, M.S. University, **Baroda**, India (7-10 Feb 2000).

95. XVII Young Physicists' Colloquium (YPC '99) of the Indian Physical Society, Saha Institute of Nuclear Physics, **Kolkata**, India (19-20 Aug 1999).

96. International Conference on Mathematical Physics, Department of Mathematics, Nagpur University, **Nagpur**, India (11-16 Jan 1999).

97. National Seminar on Facets of Coordination Chemistry, Department of Chemistry, Nagpur University, **Nagpur**, India (24 Apr 1999).

98. Thirty-fourth All India Marathi (Language) Science Conference, **Nagpur**, India, (23-25 Oct 1999).

99. First Marathi Science Conference, **Nagpur**, Maharashtra, India, 01 Feb 1998.

100. National Conference on Luminescence and its applications, Department of Physics, Manipur University, Chanchipur, **Imphal,** India (15-17 Dec 1998).

101. National Laser Symposium '97, Physical Research Laboratory, **Ahmedabad,** India (10-12 Dec 1997).

102. National Laser Symposium '97, Centre for Advanced Technology, **Indore**, India, (6-8 Feb 1997).

103. Fourth Vidarbha Environment Conference, **Brahmapuri,** MS, India (7-9 Nov 1997).

104. National Laser Symposium '96, Bhabha Atomic Research Centre, **Bombay**, India (17-19 Jan 1996).

105. National Seminar on X-ray Spectroscopy, Department of Physics, **Nagpur** University, Nagpur, INDIA, (16-18 Oct 1995).

106. Workshop on Radiation Physics, Department of Physics, Nagpur University, **Nagpur,** India, (17-19 Dec 1992).

107. Workshop on 'Fabricate your Alternative Energy Device', Department of Physics, Nagpur University, **Nagpur**, INDIA, (23-24 Dec 1990).

Life Membership:

- ✓ New York Academy of Science, New York, USA **(Invitation)**
- ✓ Luminescence Society of India **(LM-92)**
- ✓ Indian Association for Radiation Protection **(LM-1145).**
- ✓ Life Member of Ultrasonic Society of India **(LM-365).**
- ✓ Indian Laser Association **(LM-382)**
- ✓ Indian Physics Association **(LM/NAG/11712)**
- ✓ Marathi Vidnyan Parishad **(LM-320)**
- ✓ Vidarbha Physics Teachers' Association **(LM-98)**
- ✓ Indian Physics Teachers' Association

- ✓ Vidarbha Environment Society
- ✓ The Blind Relief Association, Nagpur
- ✓ Society for Materials Chemistry (SMC) **(LM-312)**
- ✓ Nuclear Track Society of India
- ✓ International Association of Advanced Materials(IAAM)
- ✓ The Institution of Electronics and Telecommunication Engineers (IETE) (**F-236025**).
- ✓ Society for Technologically Advanced Material of India **(STAMI).**
- ✓ The Indian Science Congress Association (**LM: L30639**)

Posts held:

- **Secretary,** Luminescence Society of India, 2014-2016.
- **Fellow,** The Institution of Electronics and Telecommunication Engineers (IETE).
- **Executive member** of Luminescence Society of India, 2010-2012 and 2012-2014.
- **Executive member** of Luminescence Society of India, Maharashtra Chapter, Mumbai.
- **Treasurer,** Indian Physics Association, Nagpur Chapter, Nagpur.
- **Member of Publication/Programme Committee,** Newsletter published by Luminescence Society of India (1999).

Additional duties performed:

- **Worked as subject expert for selection of lecturer in Physics, R.T.M. Nagpur University, Nagpur.**
- **External examiner for Physics & Electronics Practical Examinations at UG level at Rani Durgavati University, Jabalpur.**
- **External examiner for Electronics/Physics Practicals Examination at PG and UG levels in Guru Ghasidas University, Bilaspur, Rani Durgavati University, Jabalpur and Dr.H.G.University, Sagar.**

Publications other than subject :

Some articles have been published in local newspapers and periodicals on the subject of Environmental problems and Social awareness.

Social activities :

Delivering lectures on Environmental awareness, Science popularization and working for tree plantation.

References:

Prof. S.V. Moharil,
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Nagpur-440 010, India
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Govt of India
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Prof. H.C. Swart
Senior Professor
Sarchi chair Advanced and Luminescent Materials
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South Africa
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Declaration:

I do hereby declare that all the information stated above are true and correct to the best of my knowledge and belief.

(S.J. Dhoble)

Dr.S.J.Dhoble, Professor

Department of Physics, R.T.M.Nagpur University, Nagpur

Summary of Research Papers Published with Impact Factors*as on Date 30-06-2023

*** Impact factors assigned by Thomson Reuters in the *Journal Citation Reports* 2020 and Scopus Indexes Journals.**

Impact Factor (IF)	Number of Research Papers
IF 48.165	02
IF 10 – 25	12
IF 5 – 10	35
IF 4 – 5	52
IF 3 – 4	140
IF 2 – 3	258
IF 1 – 2	118
IF 0.445 - 1	24
With Scopus Indexing but without impact factor	82
Without Scopus Indexing	268
Total Papers	991

Dr.S.J.Dhoble,* *Professor

Department of Physics, R.T.M.Nagpur University, Nagpur

Research Papers Published with Impact Factors*

as on Date 2022

* Impact factors assigned by Thomson Reuters in the *Journal Citation Reports* 2022 and Scopus Indexes Journals.

Sr. No.	Name of Journal	Publisher	ISSN number	Impact Factor (only Thomson Reuters)	Total Numbers of Research Papers Published
1.	Progress in Materials Science	Elsevier	0079-6425	48.165	02
2.	Nano-Micro Letters	Springer	2150-5551	23.655	01
3.	Renewable and Sustainable Energy Reviews	Elsevier	1364-0321	16.799	09
4.	Critical Reviews in Solid State and Materials Sciences	Taylor and Francis online	1040-8436	11.718	01
5.	npj 2D Materials and Applications	Nature Group		10.516	01
6.	Sensors and Actuators B-Chemical	Elsevier	0925-4005	9.221	01
7.	Progress in Solid State Chemistry	Elsevier	0079-6786	8.389	02
8.	Journal of environmental Chemical Engineering	Elsevier	2213-3437	7.968	01
9.	Materials Today Chemistry	Elsevier	2468-5194	7.613	01
10.	Electrochimica Acta	Elsevier	0013-4686	7.336	01
11.	Talanta	Elsevier	0039-9140	6.556	01
12.	Journal of Alloys and Compounds	Elsevier	0925-8388	6.371	20

13.	Current Opinion in Chemical Engineering	Elsevier	2211-3398	**6.117**	**01**
14.	ACS Applied Nanomaterials	ACS	**2574-0970**	**5.9**	**01**
15.	Powder technology	Elsevier	0032-5910	**5.64**	**02**
16.	Ceramics International	Elsevier	0272-8842	**5.532**	**12**
17.	Inorganic Chemistry	American Chemical Society (ACS)	0020-1669	**5.436**	**02**
18.	Scientific Reports	Nature		**4.996**	**01**
19.	Optics & Laser Technology	Elsevier	0030-3992	**4.939**	**03**
20.	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	Elsevier	1386-1425	**4.831**	**05**
21.	Materials Chemistry and Physics	Elsevier	0254-0584	**4.778**	**10**
22.	Journal of Materials Science	Springer	0022-2461	**4.682**	**11**
23.	Journal of Rare Earths	Elsevier	1002-0721	**4.632**	**04**
24.	Materials Research Bulletin	Elsevier	0025-5408	**5.2**	**06**
25.	Results in Physics	Elsevier	2211-3797	**4.565**	**04**
26.	Appiled Electronics Materials	American Chemical Society (ACS)	**2637-6113**	**4.494**	**01**

27.	Journal of Physics and Chemistry of Solids	Elsevier	0022-3697	**4.383**	**03**
28.	Journal of Luminescence	Elsevier	0022-2313	**4.171**	**79**
29.	ACS Omega	American Chemical Society (ACS)	2470-1343	**4.132**	**01**
30.	RSC Advances	Royal Society of Chemistry (RSC)	2046-2069	**4.036**	**07**
31.	Crystal Growth and Design	American Chemical Society (ACS)	1528-7483	**4.01**	**01**
32.	Synthetic Metals	Elsevier	0379-6779	**4**	**02**
33.	New Journal of Chemistry	Royal Society of Chemistry (RSC)	1144-0546	**3.925**	**05**
34.	Methods and Applications in Fluorescence	IOP Publishing Ltd.	2050-6120	**3.849**	**01**
35.	Journal of Molecular Structure	Elsevier	0022-2860	**3.841**	**15**
36.	Diamond and Related Materials	Elsevier	0925-9635	**3.806**	**01**
37.	Optical Materials	Elsevier	0925-3467	**3.754**	**06**
38.	Solid State Sciences	Elsevier	1293-2558	**3.752**	**02**
39.	Journal of Solid State Chemistry	Elsevier	0022-4596	**3.656**	**02**
40.	Physical chemistry Chemical Physics	Royal Society of Chemistry	1463-9084	**3.656**	**01**

		(RSC)			
41.	Photodiagnosis and Photodynamic Therapy	Elsevier	1572-1000	**3.577**	**01**
42.	Materials Letters	Elsevier	0167-577X	**3.574**	**01**
43.	Journal of Inorganic and Organometallic Polymers and Materials	Springer	1574-1451	**3.518**	**02**
44.	Journal of Physics D: Applied Physics	IOP Science	1361-6463	**3.409**	**05**
45.	Materials Science and Engineering B	Elsevier	0921-5107	**3.407**	**01**
46.	Superlattices and Microstructures	Elsevier	0749-6036	**3.22**	**01**
47.	Environment, Development and Sustainability	Springer	1573-2975	**3.219**	**01**
48.	Physica Medica	Elsevier	1120-1797	**3.119**	**01**
49.	Displays	Elsevier	0141-9382	**3.074**	**02**
50.	Optical and Quantum Electronics	Springer	0306-8919	**3.00**	**01**
51.	Infrared Physics and Technology	Elsevier	1350-4495	**2.997**	**03**
52.	Physica B:Condensed Matter	Elsevier	0921-4526	**2.988**	**08**
53.	Applied Physics A: Materials Science and Processing	Springer	1432-0630	**2.983**	**03**
54.	Journal of Applied Physics	American Institute of Physics(A		**2.877**	**01**

		CS)			
55.	Polymer Bulletin	Springer		**2.843**	**01**
56.	Optik: International Journal of Light and Electron Optics	Elsevier	0030-4026	**2.84**	**62**
57.	Current Pharmaceutical Biotechnology	Bentham Science Publishers	1389-2010	**2.829**	**01**
58.	Journal of Materials Science: Materials Electronics	Springer	1573-482X	**2.779**	**27**
59.	Radiation Physics and Chemistry	Elsevier	0969-806X	**2.776**	**02**
60.	Journal of Physics: Condensed Matter	IOP Science	1361-648X	**2.745**	**01**
61.	Luminescence: The Journal of Biological and Chemical Luminescence	Wiley	1522-7243	**2.613**	**134**
62.	Journal of Fluorescence	Springer	1573-4994	**2.525**	**08**
63.	ECS Journal of Solid State Science and Technology	The Electrochemical Society	2162-8777	**2.483**	**01**
64.	Journal of Information Science	Sage Journals	1741-6485	**2.462**	**01**
65.	Optics Communications	Elsevier	0030-4918	**2.335**	**01**
66.	Physica Status Solidi (a)	Wiley	1862-6319	**2.17**	**06**
67.	Combustion Science and Technology	Taylor and Francis online	1563-521X	**2.133**	**01**
68.	Journal of Optics	IOP Publishing	2040-8978	**2.077**	**01**

69.	Journal of Electronic Materials	Springer	0361-5235	**2.047**	**11**
70.	Materials Research Express	IOP Science	2053-1591	**2.025**	**02**
71.	Bulletin of Materials Science	Springer	0250-4707	**1.878**	**13**
72.	Physica Status Solidi (b)	Wiley	1521-3951	**1.782**	**02**
73.	Indian Journal of Physics	Springer	0973-1458	**1.778**	**20**
74.	Journal of Radioanalytical and Nuclear Chemistry	Springer	1588-2780	**1.754**	**02**
75.	Radiation Measurements	Elsevier	1350-4487	**1.743**	**09**
76.	Materials letter: X	Elsevier	2590-1508.	**1.7**	**08**
77.	Transactions of The Indian Institute of Metals	Springer	0972-2815	**1.391**	**01**
78.	Spectroscopy Letters	Taylor and Francis online	0038-7010	**1.34**	**01**
79.	Nuclear Instruments and Methods in Physics Research A	Elsevier	0168-9002	**1.334**	**01**
80.	Nuclear Instruments and Methods in Physics Research B	Elsevier	0168-583X	**1.279**	**11**
81.	Journal of Nanoscience and Nanotechnology	American Scientific Publishers	1533-4880	**1.134**	**05**
82.	Pigment & Resin Technology	Emerald Publication	0369-9420	**1.126**	**01**
83.	Radiation Effects and Defects in Solid	Taylor and Francis online	1042-0150	**1.024**	**24**

84.	The European Physical Journal Applied Physics	European Physical Society	1286-0050	**1.00**	**01**
85.	Micro and nano Letters	IEEE	1750-0443	**0.98**	**05**
86.	Radiation Protection Dosimetry	Oxford Journals	1742-3406	**0.954**	**07**
87.	Journal of Medical Physics	Association of Medical Physicists of India (AMPI).	0971-6203	**0.9**	**01**
88.	Integrated Ferroelectrics	Taylor and Francis	1607-8489	**0.836**	**01**
89.	Journal of Applied Spectroscopy	Springer	0021-9037	**0.816**	**02**
90.	Synthesis and Reactivity in Inorganic, Metal-Organic and Nano-Metal Chemistry	Taylor and Francis online	1553-3174	**0.784**	**02**
91.	Acta Physica Polonica A	PolskaAkademiaNauk, Poland		**0.725**	**01**
92.	Ferroelectrics	Taylor and Francis		**0.695**	**01**
93.	Journal of the Korean Physical Society	Springer	0978-3981	**0.657**	**01**
94.	The European Physical Journal Applied Physics	EDP Sciences	1286-0042	**0.630**	**03**
95.	Indian Journal of Engineering and Materials Science	NISCAIR	0975-1017	**0.615**	**01**
96.	Optoelectronics and Advanced Materials–Rapid	INOE Publishing House	1842-6573	**0.556**	**02**

	Communications				
97.	Journal of Optoelectronics and Advanced Materials	INOE Publishing House	1454-4164	**0.5**	**03**
98.	Ferroelectrics Letters Section	Taylor and Francis	0731-5171	**0.5**	**02**
99.	Reports of Practical Oncology and Radiotherapy	Medica	1507-1367	**0.377**	**01**
100.	Results in Optics	Elsevier	2666-9501.	**Scopus Indexing**	**01**
101.	Journal of Medical Imaging and Radiation Sciences	Elsevier	1939-8654	**Scopus Indexing**	**01**
102.	Materials Today: Proceedings	Elsevier	2214-7853	**Scopus Indexing**	**09**
103.	Nano-Structures and Nano-Objects	Elsevier	2352-507X	**Scopus Indexing**	**02**
104.	Current Materials Science	Bentham Science Publisher	2666-1454	**Scopus Indexing**	**02**
105.	Results in Materials	Elsevier	2590-048X	**Scopus Indexing**	**01**
106.	IOP Conference Series: Materials Science and Engineering	IOP Science	1757-899X	**Scopus Indexing**	**06**
107.	AIP Conference Proceedings	AIP Publishing	0094-243X	**Scopus Indexing**	**24**
108.	Journal of Material Science Letters	Springer	1573-4811	**Scopus Indexing**	**01**
109.	Ferroelectrics, Letters Section	Taylor and Francis online	1563-5228	**Scopus Indexing**	**02**
110.	Macromolecular Symposia	WILEY-VCH Verlag	1521-3900	**Scopus Indexing**	**03**

		GmbH & Co.			
111.	Procedia-Social and Behavioral Sciences	Elsevier	1877-0428	**Scopus Indexing**	**01**
112.	Physics Procedia	Elsevier	1875-3892	**Scopus Indexing**	**01**
113.	Journal of Physics: Conference Series	IOP Publishing	1742-6596	**Scopus Indexing**	**15**
114.	ECS Transactions	ECS	1938-5862	**Scopus Indexing**	**01**
115.	Chemical Data Collections	Elsevier	2405-8300	**Scopus Indexing**	**03**
116.	Physics and Chemistry of Solid State		1729-4428	**Scopus Indexing**	**01**
117.	Journal of Radiation Oncology	Springer		**------**	**01**
118.	Materials Science for Energy Technologies	KeAi China Science Publishing & Media and Elsevier	2589-2991	----	**02**
119.	Current Inorganic Chemistry	Bentham Science	1877-9441	-	**01**
120.	Defect and Diffusion Forum	Trans Tech Publications	1012-0386	---	**01**
121.	Advanced Materials Research	Trans Tech Publications	0976-3961	-	**02**
122.	International Journal of Luminescence and its applications	Luminescence Society of India	2277-6362	-	**21**
123.	J. Pure Appl. Ultrason.	Ultrasonic Socity of India	0256-4637	--	**02**
124.	Indian Journal of Pure and Applied	NISCAIR	0019-5596	-	**24**

	Physics				
125.	Advanced Materials Letters	VBRI Press	0976-3961	-	**25**
126.	Indian Journal of instrumentation	Instrument Society of India	-	-	**01**
127.	Journal of Modern Physics	Scientific Research	2153-1196	-	**02**
128.	International Journal of Advance Technology and Engineering Research	IJATER	2076-734X	-	**01**
129.	International Journal of Nanoparticles	Inderscience Publishers	1753-2507	-	**02**
130.	International Journal of Knowledge Engineering	IJKE	0976-5816	-	**08**
131.	Bionano Frontier	Science and Technology	0974-0678	-	**33**
132.	Nano Trends: A Journal of Nanotechnology and Its Applications	Nano Science and Technology Consortium	0973-418X	-	**02**
133.	Materials Physics and Mechanics	Advanced Study centre	1605-2730	-	**01**
134.	International Journal of Physics	Science and Education	2222-131X	-	**01**
135.	Journal of Materials Physics and Chemistry	SciEP	2333-4436	--	**01**
136.	Advance Physics Letter	Institute for Research	2349-1094	--	**02**

		and Development India			
137.	International Journal of Pure and Applied Physics	Research India Publications	0973-1776	-	**01**
138.	Journal of Chemical, Biological and Physical Sciences	JCBSC	2249-1929	-	**05**
139.	International Journal of Embedded Systems	Inderscience Publishers	1741-1076	-	**02**
140.	International Journal of Engineering Research and General Science	IJERGS	2091-2730	-	**01**
141.	Search and Research	Search and Research society	0975-5713	-	**24**
142.	Recent Research in Science and Technology	Science flora	2076-5061	-	**17**
143.	American Journal of Electrical and Electronic Engineering	Science and Education	2328-7357	-	**01**
144.	Radiation Protection and Environment	IARP Publication	0972-0464	-	**01**
145.	Journal of Pure Applied and Industrial Physics	An International Reseach Journal, Bhopal	2319-7617	-	**01**
146.	International Journal of Recent Trends in Science and Technology	Statperson - Research and Publicatio	2249-8109	-	**01**

		n			
147.	International Journal of modern Trends in Engineering and Research	IJMTER	2393-8161	-	**07**
148.	International Journal of Science and Research	IJSR	2319-7064		**01**
149.	International Journal of Researches In Biosciences, Agriculture & Technology	Vishwashanti Multipurpose Society.	2347-517X	-	**15**
150.	Rainbow	VMV Commerce, JMT Arts & JJP Science College, Nagpur	2394-6903	-	**02**
151.	International Journal of Current Engineering and Scientific Research	IJCESR	2393-8374	--	**15**
152.	Journal of Advanced optics and photonics	Tecj science press	2578-2274	--	**01**
153.	International Journal of Scientific Research in Science and Technology	IJSRST	**2395-6011**	--	**07**
154.	AJANTA	Ajanta Prakashan	**2277-5730**	--	**04**
155.	Journal of Emerging Technologies and Innovative Research (JETIR)		2349-5162	--	**04**
156.	International Journal of Scientific	Technoscience	2456-3307	----	**01**

	Research in Computer Science, Engineering and Information Technology	Academy			
157.	International Journal of Photonics and Optical Technology		2455-8869	-----	**03**
158.	International Journal of Innovative Technology and Exploring Engineering	Blue Eyes Intelligence Engineering & Sciences Publication	2278-3075	------	**06**
159.	Int. Res. J. of Science & Engineering	International Research Journal of Sciences and Engineering **(IRJSE)**	2322-0015	------	**02**
160.	International Journal of Current Engineering and Scientific Research (IJCESR)	Inter. J. Current Engin. and Sci. Research (IJCESR**)**	2394-0697	-------	**01**
161.	Alochana Chakra Journal		2231-3990	---------	**01**
162.	International Journal of Scientific Research in Science and Technology(IJSRST)	TechnoScience Academy (The International open Access Publisher)	2395-602X	----------	**09**
163.	International Journal of Current Science Research and Review(IJCSRR)	--------	2581-8341	-------	**01**
164.	Jordan Journal of Physics	Yarmouk University, Jordan	1994-7607	--------	**01**
	Total Number of Papers				**991**

List of Publications

Research papers published in International/National Journals

1. Evaluation of the dosimetric influence of interfractional 6D setup error in hypofractionated prostate cancer treated with IMRT and VMAT using daily kV-CBCT, Prashantkumar Shinde, Anand Jadhav, V. Shankar and **Sanjay J. Dhoble**, Journal of Medical Imaging and Radiation Sciences,(**In Press**).

2. Photoluminescence properties of $CaMgB_2O_5$: RE^{3+} (RE = Dy, Eu, Sm) environmental friendly phosphor for solid state lighting, D M Parshuramkar, A N Yerpude , C M Nandanwar and **S J Dhoble**, Indian Journal of Physics(**In Press**).

3. Khishn Kumar Kandiah, Vengadaesvaran Balakrishnan, Amirul Syafiq, Nasrudin Abd. Rahim, Adarsh Kumar Pandey, Yee Seng Tan, **Sanjay J. Dhoble**, Ramesh Kasi, Ramesh Subramaniam, Pigment & Resin Technology(**In Press**).

4. Thermoluminescence studies of zinc borate (ZnB_2O_4) phosphor doped with rare earths for dosimetric aspects, Tresa A. Joseph, Vibha Chopra and **Sanjay J. Dhoble**, Luminescence: The Journal of Biological and Chemical Luminescence (**In Press**).

5. Luminescence thermometry based on the upconversion luminescence from the stark sublevels of BaY_2F_8:Yb^{3+}, Tm^{3+} phosphor, Ashwini K. Sharma, Govind B. Nair, **S. J. Dhoble**, Robin E. Kroon, J. J. Terblans and H. C. Swart, Journal of Fluorescence (**In Press**).

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8. Comparative photoluminescence study of $MAlB_3O_7$: Dy^{3+} (M=Ca,Sr) phosphor for solid‑state lighting applications, Samirkumar R. Bhelave, A. N. Yerpude and **S. J. Dhoble**, J. Optic (**In Press**).

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11. Photoluminescence investigation of novel $KCaPO_4:Sm^{3+}$ phosphors for n-UV based solid state lighting prepared by wet chemical synthesis, C. M. Nandanwar, N. S. Kokode, A. V. Nande, C. D. Mungmode, A. N. Yerpude, R. M. Yerojwar and **S. J. Dhoble**, Optical and Quantum Electronics, 55(2023) 1173

12. Structural, morphological, and photoluminescence properties of RE (RE = Dy^{3+}, Eu^{3+}, Sm^{3+})-doped $CaAlBO_4$ phosphor synthesized by combustion method, Roshana T. Maske, Atul N. Yerpude, Rupesh S. Wandhare and| **Sanjay J. Dhoble**, Luminescence: The Journal of Biological and Chemical Luminescence, 38 (2023) 1814–1824.

13. Synthesis and novel emission properties of Bi^{3+}-doped Ca_2BO_3Cl phosphor for plant cultivation, Muhid S. Khan, Manohar D. Mehare, Yatish R. Parauha, Shrikrishna A. Dhale, **Sanjay J. Dhoble**, Luminescence: The Journal of Biological and Chemical Luminescence, 38,(2023) 4–11.

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18. LaOF:Yb^{3+}, Er^{3+} upconversion nanophosphors operating at low Laser powers for nano thermometry applications, Govind B. Nair, Sumedha Tamboli, **S. J. Dhoble**, and Hendrik C. Swart, ACS Appl. Nano Mater., 6(2023)15255−15265.

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