

2022

CURRICULUM VITAE

Dr. Kartik N. Shinde
M.Sc., M. Phil., Ph.D.

KARTIK N. SHINDE, Ph.D.

Assistant Professor and Director, R and D Cell,

N.S. Science and Arts College, Bhadrawati

Dist: Chandrapur-442902 (M.S.) India.

E-Mail: kartik_shinde@rediffmail.com



Objective:

Harnessing all my inherent talents with a dynamic and growing institution so that mutual goals, targets and challenges are not only achieved but broken and continue to enrich my experience and knowledge down the ever changing path of learning.

Personal Information:

Date of Birth : 16th April, 1982

Gender : Male

Marital status : Married

Educational Qualification:

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- **2012 Ph.D.** R.T.M. Nagpur University, Nagpur, INDIA.
- **“DEVELOPMENT OF RARE EARTH ACTIVATED PHOSPHATE BASED PHOSPHORS FOR LAMP AND TLD APPLICATIONS”** (Advisor: Dr. S. J. Dhoble, R.T.M. Nagpur University, Nagpur and Co-Advisor: Dr. Animesh Kumar, National Environmental Engineering Research Institute (NEERI-CSIR) Nagpur-440020, India).
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	Name of Board/University	Year
M.Phil. (PHY)	Vinayaka Mission University, India Directorate of Distance Education	2009
M.Sc. (PHY)	Rashtra Sant Tukdoji Maharaj Nagpur University, Nagpur	2008
B.Sc.	RashtraSant Tukdoji Maharaj Nagpur University, Nagpur	2004

Areas of Interest:

- Preparation and characterization of inorganic lamp phosphors and PDP phosphor.
- Synthesis and characterization of nanostructure luminescent materials.
- Preparation and characterization of Thermoluminescence dosimetry phosphors.
- Inorganic phosphors for solid state lighting.

Teaching experience:

- 09 Years on Under graduate level (Permanent Faculty).
- 08 Years on Post graduate level. (Contributory).
- 04 Years on UG & PG level (Contract basis).

Research Experience:

- Full time researcher from June 1st, 2012 to May 31st, 2013 at Sejong University, Seoul, South Korea (**One Year**).
- National Environmental Engineering Research Institute (NEERI), worked as a research student from 2008 to 2011 under the supervision of Dr. Animesh Kumar (Dy. Director & Scientist F, Air Pollution control Division, NEERI, Nagpur)
- Material Science research laboratory of Kamla Nehru Mahavidyalaya ,Nagpur during Summer 2007 under the guidance of Dr. S. J. Dhoble (Principal ,K.N.M. Nagpur)
- Bhabha Atomic Research Centre, Radiochemistry Division, During 31/05/2007 to 14/06/2007, Related to BRNS project Under the guidance of Dr.S.V. Godbole (Head, Spectroscopy section, RCD, BARC. Mumbai)
- R.T.M. Nagpur University, INDIA, M.Sc. Research Thesis entitle "*Photoluminescence in $M_5(PO_4)_3F:Dy, Eu$ ($M=Sr, Ca, Ba$) phosphors*"

Instrumentation Skill:

- 1) Spectrofluorophotometer, (**Shimadzu, RF-5301 PC**).
- 2) Spectrofluorophotometer, (**Edinburgh instrumentation, UK made**).
- 3) Analytik Specord-50 spectrophotometer
- 4) Spectrofluorophotometer (**Perkin Elmer-Model LS-55, U.S.A. made**)

Technical Expertise:

MS- office, Basic, C & C++, Diploma in computer programming and Application

Achievements:

- **Research Excellence Award 2021** from Institute of scholars (www.insc.in)
- **Best Poster presentation award (FIRST PRIZE)** in National Conference on Recent trends in synthesis and characterization of futuristic material in sciences for development of society (NCRTFMDS-2018), Organize by Late.B.S. Arts,N.G. Science & A.G. Commerce College, Sakharkherda, Dist:Buldana (13 January 2018).
- **Ideal Teacher Award-2016 & National Unity Award** by Aadarsh Foundation, Kolhapur (M.S.), India on Feb. 28th, 2016.
- **IAAM Scientist Award 2013** for notable and outstanding presentation in the Advanced Materials World Congress conference from September 16-19, 2013 in the Altinyunus Hotel Çeşme, Turkey.
- **IAAM Scientist Award 2011** for notable and outstanding presentation in the 1st International congress of Advanced Materials - 2011 during 13-16 May, Jinan, China.
- **Young Scientist Award (second winner)** in 2nd Bhartiya Vigyan Sammelan, School of Energy and Environmental Studies (SEES), D.A.V.V. Khandwa road, Indore, M.P., India, 452001. (1-3 Dec.2009).
 - Cited in **Society for Materials Chemistry (SMC) Bulletin**, Volume 1,page no. 56, Dec.2010
- **Best Poster presentation award (FIRST PRIZE)** in Indo-Russian Workshop Nanotechnology and Laser Induced Plasma-2009 (IRNANO-2009) organized by Delhi University, Delhi-110007. (24-26 November 2009)
- **Best Poster presentation award (FIRST PRIZE)** in National Conference on Recent advancement in material science (NCRAMS-2010),Organize by Dept.of Chemistry,Jagat Arts,Commerce & Science Indiraben Hariharbhai Patel Science college, Goregaon, Gondia (25 February 2010)
- **Best Poster presentation award (second prize)** in National Seminar on Synthesis of advanced materials and their applications (SAMA-2010), Organize by Dept. of Physics in collaboration with LSI mah. Chapter Nevjabai Hitkarini college, Bramhapuri, Distt: Chandrapur (13 march 2010)

- **Best Poster presentation award (second prize)** in National Conference on Novel Materials and its Applications (NCNMA-2010), Organized by N.S. Science and Arts College, Bhadrawati, Dist: Chandrapur (M.S.) in collaboration with LSI and department of Physics, RTM Nagpur University Nagpur. P.159 (18th Dec. 2010).
- One of my figures which appears in article **European Physical Journal Applied Physics 52 (2010) 11104** has been selected to illustrate the redesign cover of EPJAP volume (52 issue).
- Profile published in **Marquis Who's Who** in world 29th Edition, 2012, published by Marquis Who's who, publisher of Who's who in America, USA.
- Biography included in “**2000 Outstanding Intellectuals of 21st century**” by International Biographical Centre (IBC), Cambridge, England. (ref.TINT7/c)
- **Black Belt** in Karate (Okinawa Martial Arts Academy, Hyderabad)
- **National Gold medalist** in Martial arts.

Position held:

- *(Current position)* **Assistant Professor**, Department of Physics, N.S. Science and Arts College, Bhadrawati, Dist: Chandrapur (M.S.), India
- **Secretary**, Luminescence Society of India-*Vidarbha Chapter*
- **Member**, National organizing committee, NCLA-2016, Nagpur
- **Member of Technical Program Committee**, **The 2nd Laser and Optoelectronics Conference (LOC 2015)** will be held from October 23-25, 2015 in Suzhou China.
- **Member of Technical Program Committee**, 3rd International Conference on Optical, Electronic and Electrical Materials (OEEM2014) held in Changzhou (China) from 11 to 13 October 2014.
- **Full time researcher**, Department of Nanoscience and Advanced Materials Engineering, Sejong University, Seoul, **South Korea**.
- **Director**, R & D Cell, N.S. Science and Arts College, Bhadrawati, **India**.
- **Member of Academic Committee** 1st International Congress on Advanced Materials 2011, Jinan, **China**.
- **Editor**, UGC sponsored National Conference on Novel Materials and its Applications (NCNMA-2010) Bhadrawati, Dist: Chandrapur (M.S.) in collaboration with Luminescence Society of India (LSI-Maharashtra)

Chapter) and Department of Physics, RTM Nagpur University, Nagpur, **India.**

- **Organizing Secretary**, UGC sponsored National Conference on Novel Materials and its Applications (NCNMA-2010) Bhadrawati, Dist: Chandrapur (M.S.) in collaboration with Luminescence Society of India (LSI-Maharashtra Chapter) and Department of Physics, RTM Nagpur University, Nagpur, **India.**

Recognized Supervisor:

- R.T.M. Nagpur University, Nagpur (M.S.), India
(Letter No. Ph.D. (Cell)/RRC/Guide/1271 dated on 21 Jan, 2014)
- Gondwana University, Gadchiroli (M.S.), India
(Letter No. GUG/Ph.D. Sup.Rec./620/2017 dated on 31 Aug, 2017)

02 students Awarded Ph.D.

Dr. Ashish Akojwar

Dr. Purushottam Naktode

01 submitted Ph.D. Thesis

Mr. Hemant Meshram

Under my supervision.

Life Member:

- International Centre for Diffraction Data (ICDD), U.S.A. (**Active member**)
- Luminescence Society of India (**LM- 444**)
- Society for Materials Chemistry (**LM- 310**)
- American Nano Society
- International Association of Advanced Material
- Institute of scholars (Professional)

Country visited:

- Sydney, **Australia** (CSIR, India Sponsored)
- Jinan, **China** (DST, India Sponsored)
- Seoul, **South Korea** (Post Doctoral Fellow)
- Philadelphia, **U.S.A.** (ICDD,USA Sponsored)
- Izmir, **Turkey** (CSIR, India Sponsored)
- Las Vegas, **U.S.A.** (UGC, India Sponsored)
- Singapore (Keynote address in Meetings International)

Reviewer: International Journal

- Journal of Alloys and Compounds, ELSEVIER Publication, **USA**
- Advanced Materials Letters, VBRI Press , **China**
- Materials Science & Engineering B, ELSEVIER Publication, **USA**
- Luminescence, *The journal of Biological and chemical luminescence*, John Wiley & Sons Inc publication, **USA**.
- Synthesis and Reactivity in Inorganic, Metal-Organic, and Nano-Metal Chemistry, TAYLOR & FRANCIS, **USA**.
- Electrochemical and Solid-State Letters, ECS publications, **USA**.
- Materials Research Bulletin, ELSEVIER Publication, **USA**
- Online International interdisciplinary research journal (ISSN 2249-9598), **India**.
- Journal of Optics & Laser Technology, ELSEVIER Publication, **USA**
- Journal of Solid State Science and Technology, ECS publications, **USA**.
- Optica Applicata, Wroclaw University of Technology, **Poland**
- Journal of Chemistry and Materials Science, Global Research Journals.
- Journal of Advanced Ceramics, Springer, **UK**.
- Micro & Nano Letters, IET, **UK**.
- Applied Optics, InfoBase, OSA – The Optical Society, **USA**.
- Journal of Materials Science, Springer, **UK**.
- Chinese Optics Letters, Chinese Laser Press, **China**
- Functional Materials Letters, World scientific publishing Company, **Singapore**.
- Journal of Rare Earths, ELSEVIER Publication, **USA**
- The Journal of Physical Chemistry, ACS Publication, **USA**
- Optics Express, The Optical Society, **USA**
- Materials Technology, Maney Online Publishing, **USA**
- Journal of Materials Chemistry C, RSC, **USA**
- RSC Advances, , **USA**
- Results in Physics, ELSEVIER Publication, **USA**
- Inorganic Chemistry, ACS publications, **USA**.
- Journal of the American Ceramic Society, **USA**.
- Chemistry Letters, The Chemical Society of Japan, **Japan**.

Editorial board Member :

- **Progress in Energy and Fuels (PEF)**, Piscomed Publishing
- **Advances in Optoelectronic Material (AOM)**, Science and Engineering Publishing Company, USA.
- **Journal of Materials Sciences and Applications**, American Association for Science and Technology (AASCIT), USA
- **Journal of Luminescence and Applications**, Columbia International Publishing, ISSN: 2375-1045 (Online), USA

- **Search and Research**-An Interdisplenary research journal (ISSN 0975-5713), Bhopal, India
- **International Research Journal of Science and Engineering (IRJSE)** (ISSN: 2322-0015), India

Keynote Speaker:

- *“Luminescence in nano sized vanadate phosphor”*, International Meeting on Advanced Nanomaterials and Nanotechnology, organized by Meetings International PTE LTD, 28 Maxwell Road, #03-05 Red Dot Traffic, Singapore-069120, (November 07-08, 2017).

Invited Talks:

- *“Effect of annealing temperature on EuVO_4 phosphor”*, International symposium cum workshop on luminescent materials (ISWLM-2015) organized by Faculty of Technology and Engineering, M S University of Baroda and Luminescence Society of India and Crompton, Lighting Division, Baroda (December 2015).
- *“Luminescence in optimum strontium vanadate phosphor”* National Conference on Luminescence and its Applications (NCLA-2016), Organized by Luminescence Society of India and RTM Nagpur University, Nagpur (18-20, feb.2016).
- *“Nano sized red emitting vanadate phosphor”* National Conference on Recent trends in synthesis and characterization of futuristic material in sciences for development of society (NCRTFMDS-2018), Organized by Late. B.S. Arts, N.G. Science & A.G. Commerce College, Sakharkherda, Dist: Buldana (13 January 2018)
- *“Strong Eu^{3+} emission in $\text{Ca}_{3-3x/2}(\text{VO}_4)_2:x\text{Eu}$ ($0.01 \leq x \leq 0.09$) Phosphors”* 6th International Conference on Luminescence and its Applications, (ICLA-2019), January 7-10, 2019, Organized by School of Studies in Physics and Astrophysics Pt. Ravishankar Shukla University, Raipur (C. G.) & Luminescence Society of India Co-organizers Department of Physics, NIT Raipur Department of Physics, Govt. Nagarjuna Science College, Raipur.

Chairman of Sessions:

- 2nd International Conference on Emerging Trends in Applied Science & Mathematics (Techscientia-16) at Tulsiramji Gaikwad-Patil College of Engineering and Technology, Nagpur (22-23, January 2016)

- National Conference on Luminescence and its Applications (NCLA-2016), Organized by Luminescence Society of India and RTM Nagpur University, Nagpur (18-20, feb.2016).
- National Conference on Recent trends in synthesis and characterization of futuristic material in sciences for development of society (NCRTFMDS-2018), Organized by Late. B.S. Arts, N.G. Science & A.G. Commerce College, Sakharkherda, Dist:Buldana (13 January 2018)
- National Conference on RECENT TRENDS IN MATHEMATICAL, PHYSICAL, CHEMICAL, LIBRARY AND LIFE SCIENCES – 2020" Organized By Nilkanthrao Shinde Science & Arts College, Bhadrawati, Dist. Chandrapur, M.S (NCRTMPCLS–2020) (7th February, 2020)

Research Publications: 141 Research Articles

✚ 69 Published in International Journal

✚ 34 International Conferences/Symposium

✚ 38 National Conferences/Symposium

📖 **Book:** Titled "*Phosphate Phosphors for Solid State Lighting*", **K.N. Shinde**, S. J. Dhoble, H.C. Swart and K. Park with International Publication Springer series in material science, Vol. 174, 2012, ISBN 978-3-642-34312-4, U.K.

📖 **Patent 1:** *Preparing method of phosphor powder containing metal ions by using solution combustion and phosphor powder by the same*, K. Park, K. Kim, S. J. Dhoble and **K. N. Shinde** (South Korean patent). [1013825830000] Registered/accepted on dated 24th April 2014.

📖 **Book chapter:** Titled "*Some Vanadate Phosphors for Energy Efficient Lighting*", **K. N. Shinde** and Roshani Singh book series "Advanced Materials", WILEY-Scrivener Publishing LLC, USA. Print ISBN: 9781118686294 Online ISBN: 9781118904923

📖 **Book:** Titled "*Development of Halophosphate Phosphors*", **K.N. Shinde**, S. J. Dhoble, and N.S. Kokode, Lambert Academic Publishing, Germany, ISBN 978-3-659-71272-2. (2015)

📖 **Book Chapter:** Titled "*QDs for High Brightness WLEDs and Solar Cell Devices*", Vijay B. Pawade, **K. N. Shinde**, and S. J. Dhoble, "Multifunctional

Nanostructured Metal Oxides for Energy Harvesting and Storage Devices”, CRC Press, Taylor and Francis Group, ISBN 9780367275471 (2020).




- **Patent 2:** *An Internet Of Things Based Civil Engineering Water Pump With Embedded Solar System*, Borra, Surya Prasada; T, Anuradha; Devi, M Parimala ; **Shinde, Kartik N** ; M, Hari Hara P; Kumar, V Sravan ; Shanmugasundaram, V; Fuskele, Veeresh; Nandankar, Praful; T, Logeswaran. (**Australian Patent**) filing date 03 July 2021, Application No. 2021103839, (Granted)

- **Patent 3:** *A nanotechnology rooted method for preparing biodegradable product packaging materials*, Mr. T CH Anil Kumar, Mr. V Nandakumar, Mr. B. Munisudhakar, Dr. Tirumalasetty Chiranjeevi, Mr. Koushik Kosanam Dr. Umme Thahira Khatoon, Mr. Ram Kumar Sadula, Mr. Mutyala Veera Venkata Vara Prasad, Mr. N B Prakash Tiruveedula, **Dr. Kartik N. Shinde** Mr. N Manoj Kumar, **Indian Patent** (in process), Application No. 202141030366, Filing date - 06/07/2021



- **Patent 4:** *Long-lasting solid-state batteries for future electric vehicle system*, Indian Patent, Tirumalasetty Chiranjeevi, Mr. Venkateswara Rao Roniki Dr. K. Neeraja, Dr. B. Vikram Babu, Dr. K Srinivasa Rao, Mrs. Siva Jyothi Singaraju, Dr. Srivastava. Pratima Kumari, Dr Karumanchi Ephraim Babu **Dr. Kartik N. Shinde**, Dr. Ganganagunta Srinivas, Mr. Nellore Manoj Kumar, Dr. G. Adilakshmi, Application Number-202111032644, Filing Date-20/07/2021 (in process),

- **Patent 5:** *Nanostructured Gas Sensors for healthcare and medical sector*, Indian Patent, Mr. Chandrasekhar Maalegoundla, Mrs. M.Hemalatha, Dr. D.Neelima Patnaik, Dr. GuruSampath Kumar Ankisetty, Dr. Pothu Raju Tupati, Dr. S V G V A PRASAD, **Dr. Kartik N. Shinde**, Dr. Arijit Bardhan Roy, Mr. Pradeep K G M, Dr. Kumara Swamy Jella, Mr. Nellore Manoj Kumar, Dr. G. Adilakshmi, Indian Patent, Application Number-202141035750, Filing Date-07/08/2021 (in process)

- **Patent 6:** *Nano biocompatible hydrogels for treating external injuries*, Indian Patent, Dr.S.V.A.R.Sastry Dr.N. Giridhar Babu, Dr. N Vijay Kumar, Dr LNVH Soma Sundar, Dr. Susmitha Thota, Mr. Venkateswarlu Mannepally Dr. J. Sai Chandra, Dr.Mahamuda Shaik, **Dr. Kartik N. Shinde**, Dr. B. RadhaKrishna, Mr. Nellore Manoj Kumar, Indian Patent, Application Number-202141035949, Filing Date-10/08/2021 (in process)

-  **Patent 7:** *A method for nano-carbon energy-storage material with specific high energy*, Indian Patent (in process), Dr. C Dhananjaya Rao, Dr. Mondithoka Krishna Prasad, Dr. Polinati Satya Sagar, Dr .Baburao Gaddala, Dr H Joga Rao, Dr. Roshani A.Singh, Dr. Arijit Bardhan Roy, Dr. V. Nagalakshmi, **Dr. Kartik N. Shinde**, Mr. Venkateswara Rao Roniki, Mr. Nellore Manoj Kumar Application No. 202141037976 on filing date 22-08-2021
-  **Patent 8 :** *A novel method for producing nano biofuel by using sewage oil*, Indian Patent (in process), Dr. Obaiah Jamakala, Mrs. Elipe Nirmala Devi Dr. Mannur Ismail Shaik, Dr. Saritha Marella, Dr. Mohammed Arifullah Dr. Moumita Saha, **Dr. Kartik N. Shinde**, Dr.Ashish Akojwar, Dr. P.K. Naktode, Dr. Sanjay J. Dhoble, Mr. Nellore Manoj Kumar, Application no. 202141042345 on filing date 18-09-2021.
-  **Patent 9:** *A low cost blue emitting Eu^{2+} activated phosphor for NUV excited WLEDs and solar cell Applications*, (**in process**) Dr. Gnanaprakasam C N, Mohit Pandya, **Dr. Kartik N. Shinde**, Dr. Harish Chandra Joshi. Dr. Nitika Garg, Application no. 202141047247 filing date on 18-10-2021

Social Commitments:

-  **Secretary, Bhadrawati Shikshan Sanatha, Bhadrawati**, Dist: Chandrapur, India. The education society which works in rural area for education of poor and backward people.
-  **Founder and President of “Veer Foundation”** – The society which works for the development of underprivileged children, youth and women.

Symposium/Conferences/Seminars/Workshops/competition/webinar/online courses participated: 39

1. National Conference on “Recent Trends in NanoScience” Organized by Amar Seva Mandal’s Kamla Nehru Mahavidyalaya, **Nagpur-09** (15 Jan 2006)
2. Inter collegiate Poster Competition on “Einstein & His work” Organized by Amar Seva Mandal’s Kamla Nehru Mahavidyalaya, **Nagpur-09** (4 Feb. 2006)
3. National Seminar on “INSTRUMENTATION” Organized by Amar Seva Mandal’s Kamla Nehru Mahavidyalaya, **Nagpur-09** (30 sep. 2006)
4. National Seminar on “Recent Trends in Material Science” Organized by Department of Physics, M.B. Patel College of Arts & Science, **Sakoli, Dist: Bhandara (M.S.)** (10 march 2007)

5. National Conference on "Condensed Matter Days" Organized by Department of Physics, **NIT Rourkela, Orissa.** (29-31 Aug 2007)
6. National workshop on "Recent trends in novel material" Organized by Amar Seva Mandal's Kamla Nehru Mahavidyalaya, **Nagpur-09** (18 Feb. 2007)
7. "52nd DAE Solid State Physics Symposium" Organized by Mysore University, **Mysore.**(27-31 Dec 2007)
8. National Conference on "Latest Trends in Nanotechnology" Organized by V.P.M's polytechnic, **Thane (Mumbai)** (5th January 2008)
9. International conference on Luminescence and its Application ICLA 2008. **New Delhi,**(13-16Feb 2008).
10. National conference on "Synthesis & characterization of New materials and its Applications" Organized by Amar Seva Mandal's Kamla Nehru Mahavidyalaya, **Nagpur-09, (M.S.)** (15 March 2009).
11. National Conference on "Advances in Nanomaterials Devices and Technologies", Organized by Dept. Of Physics, S.V. Degree college, **Kadapa-516003 (A.P.)** NCANDT-2009, (11 & 12 July 2009).
12. National Symposium on "Emerging Techniques in Material Science" (ETMS-2009) Organized by Dept.Of Physics,Shri.Mathuradas Mohota college of science,**Nagpur (M.S.)** (22 Aug.2009)
13. National Seminar on "Display phosphors and its applications" (NSDPA -2009) Organized by Dept.Of Physics, Vivekananda Degree college, **Bangalore-560055 (Karnataka).**(22 & 23 October 2009)
14. Indo-Russian Workshop Nanotechnology and Laser Induced Plasma-2009 (IRNANO-2009) organized by **Delhi University, Delhi-110007.** (24-26 November 2009)
15. 2nd Bhartiya vigyan sammelan, School of Energy and Environmental Studies (SEES), D.A.V.V. Khandwa road, **Indore, M.P. , India , 452001.** (1-3 Dec.2009) (Nominated for Young Scientist Award) Oral Presentation.
16. Conference on Gravitation Theories and Astronomy (CGTA-09), Nilkanthrao Shinde Science & Arts College, **Bhadrawati, Dist: Chandrapur (M.S.)India,** December 28-30,2009

17. National Conference on Nanomaterials and Nanotechnology (NCNN-2010), **VNIT, Nagpur** (18-20 Jan.2010) Oral presentation.
18. National Conference on Luminescence and its Applications (NCLA-2010), Organised by Luminescence Society of India And Gandhigram Rural Institute, **Gandhigram(T.N.)** (9-11 feb.2010).
19. National Conference on Recent advancement in material science (NCRAMS-2010), Organize by Dept. Of Chemistry, Jagat Arts, Commerce & Science Indiraben Hariharbhai Patel Science college, **Goregaon, Gondia** (25 February 2010)
20. National Seminar on Synthesis of advanced materials and their applications (SAMA-2010), Organize by Dept. of Physics in collaboration with LSI mah. Chapter Nevjabai Hitkarini college, **Bramhapuri, Dist: Chandrapur.**(13 march 2010).
21. 16th Solid State Dosimetry (16th SSD-2010) International Conference held at Sofitel Wentworth, **Sydney, Australia.** (19-24 September 2010)
22. National Conference on Novel Materials and its Applications (NCNMA-2010), Organized by N.S. Science and Arts College, **Bhadrawati**, Dist: Chandrapur (M.S.) in collaboration with LSI and department of Physics, RTM Nagpur University Nagpur.(18th December 2010)
23. National Conference on Luminescence and its Applications (NCLA-2011), organized by Luminescence Society of India and Pt.Ravishankar Shukla University in collaboration with Disha Institute of Management and technology, **Raipur** (7-9 feb.2011)
24. International conference on chemistry for mankind Innovative ideas in lifesciences (ICCM-2011) Jointly organized by Department of chemistry, RTM **Nagpur** University , Institute of Science and St.Francis de Sales college, Nagpur under the auspices of Indian society of chemistry and biologist Lucknow. (9-11 feb.2011)
25. National Conference on Nano Science and Technology (NCNST-2011) organized by department of Physics, Shivaji Science Colloge, **Nagpur** dated (21-22 February 2011)
26. National Conference on Advanced technologies in material science and their applications (NCATMSA-2011) organized by Department of Physics and Chemistry, Arts ,Commerce and Science college, **Aarvi, Dist: Wardha** (6th March 2011)

27. 1st International congress of Advanced Materials – 2011 (AM 2011) organized by Jinan university, **Jinan, Shandong, China** during 13-16 May, 2011.
28. Optics'11, International conference on light, organized by NIT, **Calicut, Kerala** (May 23-25, 2011).
29. National Conference on Synthesis and characterization of advanced materials" (NCSCAM-2011) being organized by Departments of Physics, Janata Mahavidyalaya, **Chandrapur**. (6th October 2011).
30. 4th International Conference on Luminescence and its Applications (ICLA-2012) organized by Luminescence Society of India at IICT, **Hydrabad** (7-10 Feb 2012)
31. Int'l conf. on Nanoscience and Nanotechnology (ICNST-2012), Gwangju, **South Korea**, 310 (2012. 11).
32. Advanced Materials World Congress conference from September 16-19, 2013 in the Altinyunus Hotel Çeşme, **Turkey**.
33. 3rd International conference on Nanotek & Expo held on December 2-4, 2013 in Hampton Inn Tropicana, Las Vegas, NV, **USA**.
34. National Conference on Recent Development In Material Science And Technology (RDMST-2014) organized by department of physics, Arts, Commerce and Science College, Koradi on October 11th, 2014.
35. 2014 Second International Workshop on Hadronic Chemistry, Mathematics and Physics fully sponsored by the R. M. Santilli Foundation, Palm Harbor, FL, USA and held at the Department of Chemistry, R. T. M. Nagpur University, Nagpur during 24-29 November 2014.
36. National Seminar on Futuristic Materials (NSFM-2015), held at N.S. Science and Arts College, Bhadrawati, Dist: Chandrapur-442902, **India**. (Feb.4th, 2015).
37. International symposium cum workshop on luminescent materials (ISWLM-2015) organized by Faculty of Technology and Engineering, M S University of Baroda and Luminescence Society of India and Crompton, Lighting Division, Baroda. (**Invited Technical Talk**)
38. "TechEd-2016" 2nd Annual International conference on encouraging innovations and entrepreneurship in engineering education, organized by

Tulsiramji Gaikwad Patil College of Engineering and Technology, Nagpur, India on 22-23 Jan.2016 (**Chair a session**)

39. National Conference on Luminescence and its Applications (NCLA-2016), Organized by Luminescence Society of India and RTM Nagpur University, Nagpur (18-20 feb.2016). (**Invited Technical Talk**)

40. International Meeting on Advanced Nanomaterials and Nanotechnology, organized by Meetings International PTE LTD, 28 Maxwell Road, #03-05 Red Dot Traffic, Singapore-069120, (November 07-08, 2017) (**Keynote Address**)

41. National Conference on Recent trends in synthesis and characterization of futuristic material in sciences for development of society (NCRTFMDS-2018), Organized by Late. B.S. Arts, N.G. Science & A.G. Commerce College, Sakharkherda, Dist: Buldana (13 January 2018) (**Invited Talk & Chair a session**)

42. 6th International Conference on Luminescence and its Applications, (ICLA-2019), January 7-10, 2019, Organized by School of Studies in Physics and Astrophysics Pt. Ravishankar Shukla University, Raipur (C. G.) & Luminescence Society of India Co-organizers Department of Physics, NIT Raipur Department of Physics, Govt. Nagarjuna Science College, Raipur. (**Invited Technical Talk**)

Online :

43. **One Week** Online Faculty Development Program On" E-Content Development and Delivery, Research Methodology and Autonomy" Organized by Kamala Nehru Mahavidyalaya, Nagpur dated from 27th July 2020 to 1st Aug 2020

44. National Level Webinar on "Introduction to Intellectual Property (IPR) & Patent Process" Organized by Anand Niketan College, Anandwan, Warora. Dist. Chandrapur dated on 7th September 2020

45. "Dr. A.P.J. Abdul Kalam Virtual Lecturer Series" Organized by Department of Physics, Art's, Commerce & Science College, Moregao (Road) Dist. Yavatmal during 27th Oct to 29th Oct 2020

46. International Webinar on "Synergistic efforts of Academicians and Industrialists in combating COVID -19 using Luminescence Organized by St. Pious X Degree & PG College For Women held on 2nd June, 2020

47. 26th International conference of international academy of physical sciences on "Advances in Physics" held at Gondwana University, Gadchiroli during December 18-20, 2020.

48. National E-Conference on "Smart materials and Nanotechnology" organized by Department of Physics, kamala Nehru Mahavidyalaya, Nagpur on 30th May 2020

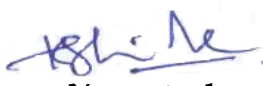
62. International Webinar on topic “Emerging Trends in Material Science & Its Application for Sustainable Development” Conducted by Sri Guru Tegh Bahadur Khalsa College, Jabalpur From 6th June 2020 to 7th June 2020.
63. UGC Sponsored **Orientation Programme** Organized by Human Resource Development Centre Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur from 1st Feb to 28th Feb 2019
64. UGC Sponsored **Refresher Course** organized by Human Resource Development Centre Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur from 6th November to 19th November 2019.

References:

- 1) **Prof. S. J. Dhoble**, Professor
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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.


Yours truly,
(KARTIK N. SHINDE)

List of publications:**Research papers published and accepted in International Journals:**

Sr. No.	Author List	Year	Title of the Paper	Journal Name	Vol. No. Page No./ DOI No.	Impact Factor
1.	Ashish Akojwar, Dipak Nagapure , Purushottam Naktode , Kartik Shinde , and Namdeo Kokode	2022	A novel 5d-7f transition phosphor $KAl_{1-x}PO_4Cl:Tb_x^{3+}$ ($0.1 < x < 1.0$)	Eur. Phys. J. Appl. Phys.	97, 5 (2022)	0.99
2.	Meshram Hemant, Shinde KN , Mohurley Ishwar and Bhujbal PM	2020	Photoluminescence properties Eu^{3+} activated $NaCaPO_4$ phosphors by Combustion synthesis	Int. Res. J. of Science & Engineering	2020; Special Issue A7: 121-126	SJIF Impact Factor 6.68
3.	Akojwar Ashish, Naktode PK , Shinde KN and Kokode NS	2020	A novel blue-greenish emitting phosphor $KAl_{1-x}PO_4F:Tb_x^{3+}$ ($0.1 \leq x \leq 1.0$).	Int. Res. J. of Science & Engineering	2020; Special Issue A7: 138-143	SJIF Impact Factor 6.68
4.	Bhujbal PM1, Nadgowda AJ, Shinde KN and Dhoble SJ	2020	Photoluminescence characterization of $(KNa)F:Ce^{3+}$ phosphor	Int. Res. J. of Science & Engineering	2020; Special Issue A7: 338-342	SJIF Impact Factor 6.68
5.	Bhujbal PM, Nadgowda AJ ,	2020	Thermoluminescence characterizations of $NaF:Ce$	Int. Res. J. of Science & Engineering	2020; Special	SJIF Impact

	Shinde KN and Dhoble SJ		phosphor for radiation dosimetry		Issue A7: 343-348	Factor 6.68
6.	Naktode PK , Akojwar Ashish , Shinde KN and Kokode NS	2020	Eu ³⁺ activated Na ₂ Ba ₄ (PO ₄)Cl halophosphate phosphors for UV excitable white light-emitting phosphors.	Int. Res. J. of Science & Engineering	2020; Special Issue A7: 349-353	SJIF Impact Factor 6.68
7.	Vijay Singh, K.N. Shinde , M.S. Pathak, N. Singh, Vikas Dubey, Pramod K. Singh, H.D. Jirmali	2018	Green emission from Tb ³⁺ -doped CaLaAl ₃ O ₇ phosphor - A photoluminescence study	<i>Optik - International Journal for Light and Electron Optics</i>	164(2018) 407-413	0.83
8.	M.S. Bhagat , K.N. Shinde , N. Singh , M.S. Pathak, Pramod K. Singh , S.U. Pawar , Vijay Singh	2018	Photoluminescence properties of green emitting CaY ₂ Al ₄ SiO ₁₂ :Tb ³⁺ garnet phosphor	<i>Optik - International Journal for Light and Electron Optics</i>	161(2018) 111-117	0.83
9.	K.N. Shinde and Roshani Singh	2018	Effect of Li content on the microstructure and photoluminescence of (Y _{0.5} Gd _{0.5}) _{0.94-x} (V _{0.25} P _{0.75})O ₄ :Eu _{0.06} , Li _x phosphors	<i>International Journal of Scientific Research in Science and Technology</i>	(4)1 (2018) 150-153	--
10.	D.B.Zade, P.K. Naktode, Ashish Akojwar, K.N. Shinde , N.S. Kokode	2018	Red Emitting CaAl ₃ (PO ₄) ₃ F ₂ :Eu ³⁺ Phosphor for White Light Emitting Diode	<i>International Journal of Scientific Research in Science and Technology</i>	(4)1 (2018) 154-158	--
11.	Ashish Akojwar, P. K. Naktode, K. N. Shinde , N. S. Kokode	2018	The Luminescence Properties of Eu ²⁺ Doped Ca ₁₀ (PO ₄) ₆ Cl ₂ Phosphor	<i>International Journal of Scientific Research in Science and Technology</i>	(4)1 (2018) 159-163	--

12.	Ashish Akojwar ¹ , P.K. Naktode, K.N. Shinde , N.S. Kokode	2018	Eu ³⁺ Activated LiAlPO ₄ Cl Novel Red Halophosphate Phosphor	<i>International Journal Of Current Engineering And Scientific Research</i>	(5) 1(2018) 101-105	--
13.	D.B. Zade, Ashish Akojwar, P.K. Naktode, K.N. Shinde , N.S. Kokode	2018	A Spectroscopic Characterization Of Novel CaAl _{3-x} (PO ₄) ₃ F ₂ :Ce _x ³⁺ (0.1≤X≤5) Phosphor By Facile Combustion Method	<i>International Journal Of Current Engineering And Scientific Research</i>	(5) 1(2018) 101-105	--
14.	Vijay Singh, K.N. Shinde , N. Singh, Pramod K. Singh, D.A. Hakeem, A.S. Nagpure	2018	Luminescent properties of green emitting Tb ³⁺ doped Sr ₂ ZnSi ₂ O ₇ phosphor	<i>Optik - International Journal for Light and Electron Optics</i>	158(2018) 1302-1307	0.83
15.	Vijay Singh, N. Singh, Vikas Dubey, Pramod K. Singh, K.N. Shinde , V.V. Ravi Kanth Kumar	2018	Photoluminescence investigation on ultraviolet-emitting Ce ³⁺ , Mg ²⁺ -ions-doped/co-doped CaAl ₁₂ O ₁₉ phosphors	<i>Optik - International Journal for Light and Electron Optics</i>	158 (2018) 1234-1239	0.83
16.	V.R. Panse, N.S. Kokode, K.N. Shinde , S.J. Dhoble	2018	Luminescence in microcrystalline green emitting Li ₂ Mg _{1-x} ZrO ₄ :xTb ³⁺ (0.1≤x≤2.0) phosphor	<i>Results in Physics</i>	8 (2018) 99-103	1.3
17.	Vijay Singh, K.N. Shinde , N. Singh, M.S. Pathak, Pramod K. Singh, Vikas Dubey	2018	Green emitting Tb doped LiBaB ₉ O ₁₅ phosphors	<i>Optik - International Journal for Light and Electron Optics</i>	156 (2018) 677-683	0.83

18.	Ashish Akojwar, K.N. Shinde , N.S. Kokode	2017	Orange-red luminescence in $KAl_{1-x}PO_4F: Eu_x^{3+}$ ($0.1 \leq x \leq 1.0$) halophosphate phosphor by a novel facile combustion method	<i>Results in Physics</i>	7 (2017) 1161-1166	1.3
19.	K.N. Shinde	2017	Luminescence in Eu^{2+} and Ce^{3+} doped $SrCaP_2O_7$ phosphors	<i>Results in Physics</i>	7 (2017) 178-182	1.3
20.	Ashish B. Akojwar , K.N. Shinde , N.S. Kokode , and Roshani Singh	2016	5d-4f transition in $KAl_{1-x}PO_4Cl:Ce_x^{3+}$ ($0.1 \leq x \leq 5$)	<i>Tech-Chronicle</i> <i>An International e-Journal on emerging trends in science, technology and management</i> (ISSN NO: 2454-1958)	Special Issue Tech-Ed 2016 (International Conference) 1-6	----
21.	P. K. Naktode, K.N. Shinde , N.S. Kokode	2016	Effective red-orange emitting $CaMgPO_4Cl:Sm^{3+}$ halophosphate phosphor	<i>Results in Physics</i>	6 (2016) 869-872	1.3
22.	P. K. Naktode, K.N. Shinde , N.S. Kokode , and S.J. Dhoble3	2016	Red emitting $A_2Mg_4(PO_4)_3Cl:Eu^{3+}$ (A=Na and K) halophosphate phosphor	<i>Tech-Chronicle</i> <i>An International e-Journal on emerging trends in science, technology and management</i> (ISSN NO: 2454-1958)	Special Issue Tech-Ed 2016 (International Conference) 69-73	----
23.	K. N. Shinde	2016	Influence of annealing temperature and Y^{3+} substitution on the photoluminescence	<i>Tech-Chronicle</i> <i>An International e-Journal on emerging trends in science,</i>	Special Issue Tech-Ed 2016 (International	----

			properties of GdPO ₄ :Eu phosphors	<i>technology and management</i> (ISSN NO: 2454-1958)	Conference) 56-60	
24.	Ashish Akojwar, K. N. Shinde , Roshani Singh, S. J. Dhoble and N. S. Kokode	2016	A novel red-emitting phosphor, KAl _{1-x} PO ₄ Cl: Eu ^{x3+} (0.1≤x≤ 1.0)	<i>Luminescence</i>	31 (2016) 305-308	1.5
25.	K.N. Shinde and S.J. Dhoble	2015	Eu and Dy activated (Sr _{0.90} Ca _{0.10}) ₃ (PO ₄) ₂ phosphors for near-UV LED	IOP Conf. Series: Materials Science and Engineering	73 (2015) 012103	-----
26.	K.N. Shinde and S.J. Dhoble	2014	Europium activated orthophosphate phosphors for energy efficient solid state lighting: A review	<i>Critical Reviews in Solid State and Materials Sciences</i>	39,459-479	5.55
27.	K. N. Shinde , S. J. Dhoble, S. J. Yoon, and K. Park	2014	Synthesis and Photoluminescence of Novel NaLi ₂ PO ₄ :Tb ³⁺ Nanophosphors for Near-Ultraviolet Excited Light Emitting Diodes	<i>Journal of Nanoscience and Nanotechnology</i>	14, 5957-5960	1.55
28.	A. Hakeem, K. N. Shinde , S. J. Yoon, S. J. Dhoble, and K. Park	2014	Synthesis and Photoluminescence of Novel Ca _{1-x} MgP ₂ O ₇ :xEu ³⁺ Pyrophosphate Phosphor for Near Ultraviolet Light Emitting Diodes	<i>Journal of Nanoscience and Nanotechnology</i>	14, 5873-5876	1.55
29.	V. B. Pawade, K. N. Shinde , N. S.	2014	Solution Combustion Synthesis of Dy ³⁺	<i>Journal of Nanoscience and Nanotechnology</i>	14, 5864-5867	1.55

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30.	R. L. Kohale, K. N. Shinde , K. Park, and S. J. Dhoble	2014	Synthesis and Luminescence Properties of Eu ²⁺ Activated Ca ₂ P ₂ O ₇ Pyrophosphate Phosphor	<i>Journal of Nanoscience and Nanotechnology</i>	14, 5976-5978	1.55
31.	K.N. Shinde , Roshani Singh and S.J. Dhoble	2014	Photoluminescence Characteristics of the single-host white-light emitting Sr _{33x2} (VO ₄) ₂ :xEu (0<x<0.3) Phosphors for LEDs	<i>Journal of Luminescence</i>	146,91-96	2.68
32.	K.N. Shinde , Roshani Singh and S.J. Dhoble	2014	Photoluminescence properties of (Gd _{1-x} Y _x) _{0.94} Eu _{0.06} PO ₄ (0<x<1.0) phosphors	<i>Journal of Luminescence</i>	145,930-935	2.68
33.	K.N. Shinde , Roshani Singh and S.J. Dhoble	2014	Luminescence optimization of Y _{1-x} Eu _{0.06} VO ₄ : M _x (M=Zn, Al, Bi) red phosphors by solution combustion method	<i>Journal of Luminescence</i>	145, 588-594	2.68
34.	K.N. Shinde , V.B. Pawade and S.J. Dhoble	2014	Impact of temperature on Na ₂ Sr(PO ₄)F:Eu ³⁺ phosphor	<i>Luminescence</i>	29, 352-356	1.5
35.	K.N. Shinde and S.J. Dhoble	2014	Energy Transfer in M ₅ (PO ₄) ₃ F:Eu ²⁺ , Ce ³⁺ (M=Ca and Ba) Phosphors	<i>Luminescence</i>	29(5),549-552	1.5

36.	K. N. Shinde and K. Park	2013	Luminescence in $\text{Li}_3\text{Al}_2(\text{PO}_4)_3:\text{Eu}^{2+}$	<i>Luminescence</i>	28,793–796	1.5
37.	K. Park, K.Y. Kim and K.N. Shinde	2013	Enhanced photoluminescence of $\text{Gd}_{0.94}(\text{P}_{1-x}\text{V}_x)\text{O}_4:\text{Eu}_{0.06}$ red emitting ($0 < x < 1.0$) phosphor	<i>Materials Chemistry and Physics</i>	138(1), 204-208	2.10
38.	K.N. Shinde and S.J. Dhoble	2013	Synthesis and effect of Ce and Mn co- doping on photoluminescence characteristics of $\text{Ca}_6\text{AlP}_5\text{O}_{20}:\text{Eu}$ novel phosphors	<i>Luminescence</i>	28,232–238	1.5
39.	K.N. Shinde and S.J. Dhoble	2013	A novel reddish orange phosphor, $\text{NaLi}_2\text{PO}_4:\text{Eu}^{3+}$	<i>Luminescence</i>	28,93–96	1.5
40.	K. Park, H. Kim, K.N. Shinde , S.J. Dhoble	2013	Luminescence Properties of Ce^{3+} Doped $\text{Y}_3\text{Al}_5\text{O}_{12}$ Phosphors Synthesized by Solution Combustion Method for White LEDs	<i>Advanced Materials Research</i>	679,63-67	-----
41.	K.N. Shinde and S.J. Dhoble	2012	Thermoluminescen ce and photoluminescence in the $\text{NaCaPO}_4:\text{Dy}^{3+}$ phosphor	<i>Radiation Protection Dosimetry</i>	1–10	0.88
42.	K.N. Shinde and S.J. Dhoble	2012	Optical study of rare earth activated $\text{NaBa}_{0.45}\text{Sr}_{0.55}\text{PO}_4$ phosphor	<i>OPTIK</i>	123(21), 1975-1979	0.76

43.	K.N.Shinde and S.J.Dhoble	2012	5d-4f transition in new phosphate based phosphors	<i>Luminescence</i>	27,69-73	1.5
44.	K.N.Shinde and S.J.Dhoble	2012	Luminescence in Li ₂ Sr ₂ Al ₂ PO ₄ F ₉ :Dy ³⁺ novel nanophosphor	<i>Luminescence</i>	27,91-94	1.5
45.	K.N. Shinde , S.J. Dhoble, K. Park	2012	Effect of synthesis method on photoluminescence properties of Na ₂ Sr ₂ Al ₂ PO ₄ Cl ₉ :Ce ³⁺ nanophosphor	<i>Nano-Micro letters</i>	4(2), 78-82	4.84
46.	S.J.Dhoble and K. N. Shinde	2012	Development of high potential phosphate based phosphors	<i>International Journal of Luminescence and its applications</i>	2(I),51-53	-----
47.	S. J. Dhoble and K.N. Shinde	2011	Novel Ce ³⁺ and Eu ³⁺ activated Na ₂ Sr ₂ Al ₂ PO ₄ F ₉ nanophosphor	<i>Advanced Materials Letters</i>	2(5), 349-353	1.46
48.	K.N. Shinde and S.J. Dhoble	2011	An Efficient Blue Emitting Na ₂ Zn(PO ₄)Cl:X (X = Eu ²⁺ and Cu ⁺) Halophosphors	<i>AIP Conf. Proc</i>	20, 1391 216-218	-----
49.	K. N. Shinde , S. J. Dhoble, Nameeta Brahme and Animesh Kumar	2011	Combustion synthesis of Sr ₆ AlP ₅ O ₂₀ :Dy ³⁺ submicron phosphor for high dose TL dosimetry	<i>Radiation Measurements</i>	46,1886-1889	1.07
50.	K. N. Shinde and S. J. Dhoble	2011	Luminescence in Dy ³⁺ and Eu ³⁺ activated K ₃ Al ₂ (PO ₄) ₃	<i>Journal of Fluorescence</i>	21,2053-2056	1.60
51.	K.N.Shinde , S. J. Dhoble	2011	Dy ³⁺ activated Na ₂ Zn ₅ (PO ₄) ₄ novel	<i>Journal of Optoelectronics</i>	13, 519-522	0.4

			phosphor for white LED	<i>and Advanced Materials</i>		
52.	K.N.Shinde and S.J.Dhoble	2011	Luminescence in rare earth activated AlPO ₄ phosphor	<i>Advanced Material Research (AM2011 Emerging Focus on Advanced Materials)</i>	306-307, 171-175	-----
53.	K.N.Shinde and S.J.Dhoble	2011	Eu ³⁺ activated M ₆ AlP ₅ O ₂₀ (M= Sr/Ba/Mg) novel red phosphors	<i>Journal of Luminescence</i>	131,1939-1944	2.68
54.	K.N. Shinde , S.J. Dhoble and Animesh Kumar	2011	Ce and Eu activated Na ₂ Zn ₅ (PO ₄) ₄ a new promising novel phosphor	<i>Bulletin of Materials Science</i>	34(1),1-6	0.89
55.	K.N. Shinde , S.J. Dhoble and Animesh Kumar	2011	Combustion synthesis of Ce ³⁺ , Eu ³⁺ and Dy ³⁺ activated NaCaPO ₄ phosphors	<i>Journal of Rare Earths</i>	29(6), 527-535	2.40
56.	K.N. Shinde , V.B. Pawade , S.J. Dhoble , and P.W.Yawalkar	2011	Orange emission in Eu ³⁺ -activated Mg ₂ M (PO ₄) ₂ (M=Sr and KNa) and KSrPO ₄ phosphors	<i>Synthesis and Reactivity in Inorganic , Metal-Organic, and Nano-Metal Chemistry</i>	41(5), 517-524	0.49
57.	K.N. Shinde , S.J. Dhoble and Animesh Kumar	2011	Combustion synthesis and Photoluminescence properties of Ce ³⁺ doped K ₃ Al ₂ (PO ₄) ₃ phosphor	<i>Search and Research - An Interdisciplinary Research Journal</i>	2,7-9	-----
58.	K.N. Shinde and S.J. Dhoble	2011	Development of novel Na ₂ Sr ₂ Al ₂ PO ₄ Cl ₉ :Dy ³⁺ phosphor for lamp industry	<i>Search and Research - An Interdisciplinary Research Journal</i>	2,4-6	-----

59.	K.N. Shinde, S. J. Dhoble and Animesh Kumar	2011	Synthesis of novel Dy ³⁺ activated phosphate phosphors for NUV excited LED	<i>Journal of Luminescence</i>	131, 931-937	2.68
60.	K. N. Shinde, I. M. Nagpure and S. J. Dhoble	2011	Energy transfer between Ce ³⁺ and Eu ²⁺ in doped Sr ₅ (PO ₄) ₃ F phosphor	<i>Synthesis and Reactivity in Inorganic, Metal-Organic, and Nano-Metal Chemistry</i>	41, 107-113	0.49
61.	K.N Shinde, S.J. Dhoble and Animesh Kumar	2011	Photoluminescence studies of NaCaPO ₄ : RE (RE=Dy ³⁺ , Mn ²⁺ or Gd ³⁺)	<i>Physica B</i>	406,94-96	1.35
62.	K. N. Shinde, I. M. Nagpure, Abhay Fulke and S.J. Dhoble	2011	Effect of temperature on intense green emitting Na ₂ Ca(PO ₄)F:Mn ²⁺ phosphor	<i>Luminescence</i>	26, 363-367	1.5
63.	K.N. Shinde and S.J. Dhoble	2010	Influence of Li ⁺ doping on photoluminescence properties of Sr ₅ (PO ₄) ₃ F:Eu ³⁺	<i>Advanced Materials Letters</i>	1(3), 254-258	1.46
64.	K.N. Shinde and S.J. Dhoble	2010	One step synthesis of new blue emitting Li ₂ Sr ₂ Al ₂ PO ₄ F ₉ :Eu ²⁺ nanophosphor	<i>Micro and Nano Letters</i>	5,340-342	0.72
65.	S. J. Dhoble, V. B. Pawade and K.N Shinde	2010	Combustion synthesis of Dy ³⁺ , Eu ³⁺ activated Na ₂ X(PO ₄)F (X=Mg, Ca, Sr) phosphors for lamp industry	<i>European Physical Journal Applied Physics</i>	52,11104	0.54

66.	K.N.Shinde	2010	An Eco-friendly phosphate based phosphors: A step forward towards new generation lamp phosphors	<i>Search and Research - An Interdisciplinary Research Journal</i>	03,1-5	-----
67.	K. N. Shinde, V. K. Dhiman, O. M. Ntwaeaborwa, S. J. Dhoble and H. C. Swart	2010	Combustion synthesis and luminescence investigation of $\text{Na}_3\text{Al}_2(\text{PO}_4)_3\text{RE}$ (RE= Ce^{3+} , Eu^{3+} and Mn^{2+}) phosphor	<i>Journal of Alloy and compounds</i>	492, 384-388	3.01
68.	I. M. Nagpure, K.N. Shinde , S. J. Dhoble and Animesh Kumar	2009	Photoluminescence characterization of Dy^{3+} and Eu^{2+} ion in $\text{M}_5(\text{PO}_4)_3\text{F}$ (M= Ba, Sr, Ca) phosphors	<i>Journal of Alloy and compounds</i>	481, 632-638	3.01
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1. Ce^{3+} and Eu^{3+} emission in $\text{Sr}_5(\text{PO}_4)_3\text{F}$ phosphor, **K.N. Shinde**, I. M. Nagpure, S. J. Dhoble, S. V. Godbole and M.K. Bhide
 - Proceeding of International conference on "Luminescence and its Application ICLA 2008." 237-240(Volume XVIII) (**Full paper**) published by **Luminescence society of India**.
 - Proceeding of International conference on "Luminescence and its Application ICLA 2008." 80(13-16Feb 2008) (Abstract)
2. Intense green emission in ZnQ_2 polymeric phosphors for OLED applications, I. M. Nagpure, S. K. Ramteke, **K. N. Shinde**, S. A. Bhagat, S.J. Dhoble and R. B. Pode, APA International Conference on ADVANCES

IN POLYMER SCIENCE TECHNOLOGY, IIT Delhi, India- Jan 28-31th 2008, (PCHR-PO-102) .

3. Synthesis and characterization of electrical conducting polyaniline-zinc oxide composite, **K.N. Shinde**, I. M. Nagpure , D. S. Badwaik , S.J. Dhoble and R. B. Pode, APA International Conference on ADVANCES IN POLYMER SCIENCE & TECHNOLOGY, IIT Delhi, India- Jan 28-31th 2008 (CONP- PO-14)
4. Luminescent material and spectroscopic properties of Dy³⁺ ion in Na₃Al₂(PO₄)₃ phosphor, I. M. Nagpure, P. D. Sawarkar, V. B. Pawade, **K. N. Shinde** and S. J. Dhoble, XIII International Symposium on Luminescence Spectrometry, September 7-11, 2008, Bologna, Italy. (**Extended abstract**).
5. Halosulphate Based Biomaterials For thermoluminescence dosimetry, **K.N. Shinde**, I. M. Nagpure, R. L. Kohale, A. N. Yerpude and S.J. Dhoble, 13th International Conference on Biomedical Engineering (ICBME2008), Dec.2008, Singapore. (Abstract accepted)
6. Thermoluminescent properties of Ca₃(PO₄)₂:Eu, Dy materials for medical dosimetry , I.M. Nagpure, S. J. Dhoble, Subhajit Saha, V. B. Pawde and K. N. Shinde , 13th International Conference on Biomedical Engineering (ICBME2008), Dec.2008, Singapore. (Abstract accepted)
7. Synthesis and characterization of electrical conducting polyaniline-tin oxide composite, **K.N. Shinde** and I.M. Nagpure and S.J.Dhoble, POLY 2009 International symposium frontiers in polymer science in Mainz, Germany,7-9 June, 2009.(Abstract accepted)
8. Synthesis and characterization of halosulphate based TLD phosphors, **K.N. Shinde**, I. M. Nagpure, S. P. Puppalar, And S.J. Dhoble, International Symposium on: Smart Material and Nanotechnology, to be held 8-11 July 2009, in Weihai, China.(Abstract Accepted)
9. Synthesis and photoluminescence characterization of Ca₆AlP₅O₂₀:Eu²⁺, **K.N.Shinde**, and S.J.Dhoble, Indo-Russian Workshop Nanotechnology and Laser Induced Plasma-2009 (IRNANO-2009) organized by Delhi University, Delhi-110007. PP-23 (24-26 November 2009)81 (**1st prize in Poster Presentation**)
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11. Combustion synthesis of $\text{Sr}_6\text{AlP}_5\text{O}_{20}:\text{Dy}^{3+}$ submicron phosphor for high dose TL dosimetry, **SHINDE, K.N.**, DHOBLE S.J. and BRAMHE NAMEETA, 16th Solid State Dosimetry (16th SSD-2010) Conference held at Sofitel Wentworth, Sydney, Australia. Poster-9 (19-24 September 2010) 122.
 12. Dy^{3+} activated $\text{Na}_2\text{Zn}_5(\text{PO}_4)_4$ novel phosphor for white LED, **K.N. Shinde** and S.J. Dhoble, International Conferences on Chemistry for mankind: Innovative ideas in life sciences (ICCM-2011) organized by department of chemistry, RTM Nagpur University, Nagpur. (9 -11 February, 2011) 139.
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19. TL behavior of $\text{Li}_2\text{Sr}_2\text{Al}_2\text{PO}_4\text{F}_9:\text{Eu}^{2+}$ Nanophosphors, **K.N. Shinde** and S.J. Dhoble, 4th International Conference on Nanoscience and Nanotechnology (nano Africa 2012) organize by Department of Physics – University of the Free State, Bloemfontein, South Africa on dated 1-4 April 2012.
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34. Effect of Annealing Temperature on Europium Vanadate Phosphor, **K.N. Shinde**, International symposium cum workshop on luminescent materials (ISWLM-2015) organized by Faculty of Technology and Engineering, M S University of Baroda and Luminescence Society of India and Crompton, Lighting Division, Baroda.
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Luminescence Society of India Co-organizers Department of Physics, NIT Raipur Department of Physics, Govt. Nagarjuna Science College, Raipur.

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 28. 5d-4f transition in new Ba₆AlP₅O₂₀:Ce³⁺ phosphors, **K.N Shinde** and S.J. Dhoble, National Conference on Advanced technologies in material science and their applications (NCATMSA-2011) organized by Department of

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31. Effective energy transfer between Ce^{3+} and Eu^{2+} in $\text{Ca}_5(\text{PO}_4)_3\text{F}$ host under near ultraviolet illumination, P.K. Naktode, A. Akojwar, **K. N. Shinde**, S. J. Dhoble, National conference on luminescence and its Applications (NCLA-2013) held in PES Institute of Technology, Bangalore (8-10 January, 2013)
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Short Biography



Dr. K.N. Shinde has completed his Ph. D. from R.T.M. Nagpur University, Nagpur, India and postdoctoral studies from Nanotechnology and Advanced Materials Engineering, Sejong University, Seoul, South Korea. At present, He is an assistant professor and the Director of R & D at N.S. Science and Arts College, Bhadrawati, India. He has published more than 50 papers in reputed journals and serving as an editorial/reviewer of international journals. His research interests are synthesis of nanocrystalline materials and exploring novel materials and study their PL and TL properties. He has published 02 books and 02 chapters with renowned international publishers. One South Korean and one Australian patent are on his credit. He is an active member of international center for diffraction data (ICDD), USA.

Rashtrasant Tukadoji Maharaj Nagpur University

"(Established by Government of Central Provinces Education Department by Notification No. 513 dated the 1st of August, 1923 & presently a State University governed by Maharashtra Universities Act, 1994)"



Doctor of Philosophy (*विज्ञान आचार्य*) (Faculty of Science)

*This is to certify that
Shri Kartik Nilkanthrao Shinde having been found to
be duly qualified on examination of the thesis on
"Development of Rare Earth Activated Phosphate Based
Phosphors for Lamp and TLD Applications" was
admitted to the degree of Doctor of Philosophy
(*विज्ञान आचार्य*) in the Faculty of Science in
this University in the year 2012.*

Nagpur

Dated : 1-10-2012

[Signature]
Vice-Chancellor



FORMAT NO. - 2

RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY

“(Established by Government of Central Provinces Education Department by Notification No. 513 dated the 1st August, 1923 & presently a State University governed by Maharashtra Universities Act, 1994.)”

PH.D. (CELL)

No. Ph.D. (Cell)/RRC/Guide/1271

Nagpur, Dated , 21 Jan, 2014.

From

Shri F.K.. Bhagat
Deputy Registrar (Ph.D. Cell)
Rashtrasant Tukadoji Maharaj
Nagpur University, Nagpur

Mob.No. 08275045007
Ph. No. - (0712) - 2542982
Fax. No. - (0712) - 2542983

To

Dr. Kartik N. Shinde,
Asstt. Professor,
Nilkanthrao Shinde Science &
Arts College, Bhadrawati,
Dist. Chandrapur.

Subject :- Recognition as a Supervisor for Ph.D.

Reference :- Your application dated 01/08/2013.

Sir/Madam,

With reference to above, I am directed to inform you that the Hon'ble Vice-Chancellor has, on behalf of the Board of University Teaching & Research accepted the recommendations of the Research and Recognition Committee on **01/01/2014** granting recognition as a Supervisor for a Ph.D. in the Subject **Physics** Under the faculty of **Science**.

You are therefore, directed to submit your Mark list/ Degree /Ph.D. Degree Verification Certificate in Original within 30 days from receipt of this letter failing which your approval of Supervisorship will stands cancelled.

Yours faithfully,

Deputy Registrar (Ph.D. Cell)
Rashtrasant Tukadoji Maharaj
Nagpur University





GONDWANA UNIVERSITY, GADCHIROLI

(Established by Government of Maharashtra Notification No. MISC-2007/(322/07)
UNI-4 Dated 27th Sept.2011 & Presently a State University Governed by Maharashtra
Public University Act, 2016 (Maharashtra Act No. VI of 2017))

- BOARD OF EXAMINATION & EVALUATION -
MIDC Road, Complex, Gadchiroli. 442605. (Contact No. 7774027670)

No/GU/Ph.D./ 605 /2017

Date: 31/08/2017

Ph.D. (Cell)

To,
Dr. Kartik Nilkanthrao Shinde
N.S. Science and arts College,
Bhadrawati, Ta.- Bhadrawati,
Dist.- Chandrapur- 442 902 (M.S.)

Subject: - Recognition as Ph.D. Supervisor
Reference: - Your application dated 21-11-2016

Sir/ Madam,

With reference to your application regarding the subject cited above I am to inform you that the Board of Deans in its meeting held on 10/08/2017 has approved the recommendations of the Research and Recognition Committee, for granting Recognition as a Supervisor for the Ph.D. in the subject Physics under the faculty of Science and Technology.

You Recognition No. is GUG/Ph.D. Sup. Rec./620/2017

This is for Your Information

(Dr. G.D. Dubey)
Dy. Registrar (Ph.D.Cell)
Gondwana University, Gadchiroli

Sejong University

98 gunja-Dong, Gwangjin-Gu,

Seoul, Korea 143-747

No : 2013 - 7

Certificate of Employment

Name in Full : KARTIK N. SHINDE

Date of Birth : 16. April. 1982

Department : BK21 Research Team

Position : Full-Time Researcher

This is to certify that the above-mentioned statement is true and correct. He has been employed at the BK21 Research Team since 1-June-2012 and will be employed till 31-May-2013.

2013. 1. 18.

Sun-Jae Kim, Ph. D.

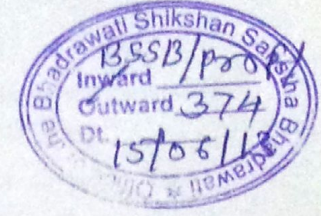
Sejong University

Dean of Research Office



ORDER OF APPOINTMENT

From:-
Bhadrawati Shikshan Sanstha Bhadrawati
& N.S. Science & Arts College, Bhadrawati. Dist. Chandrapur

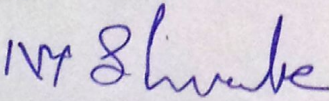


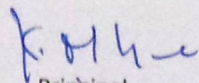
To,
Shri/Smt/Ku :- Dr. Kartik Nilkanthrao Shinde (M.Sc., M.Phil., Ph.D.(Physics))
Sir/Madam,

With reference to your application dated 30/04/2013 I am glad to inform you that you are hereby appointed as a Assistant Professor in Physics in the N.S. Science & Arts College Bhadrawati on Rs. - per month in the pay scale of Rs. 15600 - 39100 with Grad pay Rs. 6000 effect from the date of joining.

- 1)You will be entitled to house rent allowance and dearness allowance specifically sanctioned by Government from time to time.
- 2)Your probationary period is 2 years from the date of Joining i.e.,15-06-2013 to 14-06-2015
- 3)The terms of your employment and conditions of service shall be as laid down in the college code ordinance No. 24, and the Gondwana University, Gadchiroli statute regarding the revision of U.G.C. Pay Scale.
- 4)You shall have to under go a medical examination by Registered doctor within three months from date of joining the post. Your appointment shall be conditional pending till the receipt of physical fitness certificate from the Doctor.
- 5)You are requested to acknowledge the receipt of the order of appointment and communicate the acceptance within 7 (Seven) days from the date of appointment.
- 6)If no reply accepting the appointment is received, within the period mention in paragraph 5th the order shall be treated as cancelled.
- 7)Please note that your appointment is subject to the approval of Gondwana University, Gadchiroli.

Bhadrawati
Date:- 15-06-2013

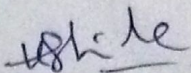

SECRETARY
BHADRAWATI SHIKSHAN SANSTHA
Bhadrawati, Dist-CHANDRAPUR


Principal
Nilkanthrao Shinde Science & Arts College
Bhadrawati, Dist- Chandrapur

ACKNOWLEDGEMENT

Received from the Secretary, B.S.S. Bhadrawati & Principal, N.S. Science & Arts College, Bhadrawati the appointment order as a Assistant Professor in Physics bearing No. BSSB/proF/374 dated 15-06-2013 I, Dr.K.N. Shinde hereby declare the acceptance of the same order.

Date:- 15-06-2013


Signature

Copy to :- 1)To,
The Asstt. Registrar. (College Section)
Gondwana University, Gadchiroli
2)To,
The Joint Director, (Higher Education),
Nagpur Division, Nagpur.



Gondwana University, Gadchiroli

(Established by Government of Maharashtra Notification No. MISC-2007/(322/07) UNI-4 Dated 27th Sept.2011 & Presently a State University Governed by Maharashtra Public University Act, 2016 (Maharashtra Act No. VI of 2017))

NOTIFICATION

(Award of Ph.D. Degree)

NO./GUG/Ph.D. Cell/ 381 /2022

07 April, 2022

It is notified for general information that the Hon'ble Vice Chancellor has accepted the Reports of the Examiners appointed by the Board of Examinations & Evaluation for assessment of the Thesis submitted by the following Candidates for the Degree of Ph.D., on behalf of the Board of Examinations & Evaluation u/s 48(2) of the Maharashtra Public Universities Act, 2016 and has declared these Candidates qualified for the Degree of Doctor of Philosophy (Ph.D.) in compliance of the provisions of UGC Minimum Standard and Procedures for awards of Ph.D. Degree as per UGC Regulation 11th July, 2009, in the faculty and Subjects, mentioned below against their respective names :

TABLE

Sr. No	Name & Address of the Candidate	Date of Registration	Date of Thesis/Treatise Submission	Degree	Faculty	Subject	Title of Thesis / Treatise	Name & Address of the Supervisor(s)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Mr. Sanjay Atmaram Diwekar	07/10/2014	23/09/2020	Ph.D.	Humanities	English	A STUDY OF TORTUROUS ESTRANGEMENT IN SELECT NOVELS OF ANITA DESAI AND KAMALA MARKANDAYA.	Dr. Sreelatha P. Pillai F.E.S. Girls College. Chandrapur.
2	Mr. Janbandhu Tulshiram Meshram	04/02/2016	01/01/2021	Ph.D.	Humanities	Marathi	झाडीपट्टीतील निवडक सात नाटककारांच्या नाटयकृतींचा चिकित्मक अभ्यास.	Dr. S. H. Moharkar F.E.S. Girls College. Chandrapur.
3	Mr. Suresh Kumar	16/04/2014	16/08/2017	Ph.D.	Inter-disciplinary Studies	Physical Education	EFFECT OF SELECTED YOGIC PRACTICES ON PHYSICAL FITNESS COMPONENTS AND MENTAL HEALTH OF SCHOOL STUDENTS.	Dr. Ramesh Chand Kanwar (Guide) Nagpur Sharirik Shikshan Mahavidyalaya, Nagpur. Dr. Sanjay Kumar Singh (Co-Guide) Sharadrao Pawar Arts & Commerce College.

1

								Gadchandur, Ta. Korpana, Dist- Chandrapur
4	Mr. Jyoti Prakash	19/04/2017	10/12/2020	Ph.D.	Inter-disciplinary Studies	Physical Education	A COMPARATIVE STUDY OF PERSONALITY TRAITS AND SELF ESTEEM BETWEEN SPORTS PARTICIPANTS AND NON SPORTS PARTICIPANTS.	Dr. Ramesh Chand Kanwar (Guide) Nagpur Sharirik Shikshan Mahavidyalaya, Nagpur. Dr. T. F. Gulhane (Co-Guide) Rajiv Gandhi College of Engineering, Chandrapur.
5	Mr. Harish Vasant Rajurkar	08/02/2016	12/10/2020	Ph.D.	Science & Technology	Electronics Engineering	Design and development of antena for performance improvement in WSN.	Dr. S. G. Akojwar Rajiv Gandhi College of Engineering, Research & Technology, Chandrapur
6	Mr. Mahendra Uddhaora Ingole	01/02/2016	25/01/2021	Ph.D.	Humanities	Law	Criminal Liability of Corporations: A Critical Analysis of the Current Indian Scenario in the Context of Growing Corporate Power and Emerging International Trends.	Dr. Pankaj D. Kakde Shantaram Potdukhe College of Law, Chandrapur.
7	Ku. Surekha Keshora Hajare	23/06/2014	05/03/2021	Ph.D.	Humanities	Economics	इंदिरा आवास योजनेतील लाभार्थ्यांच्या आर्थिक व सामाजिक स्थितीचे अध्ययन. (गडचिरोली जिल्ह्याचा एक अभ्यास.)	Dr. S. N. Bute Bhagwantrao Arts, Science College, Ytapalli, Dist – Gadchiroli.
8	Dr. Umesh Bhaudas Bansod	03/02/2016	11/07/2019	Ph.D.	Humanities	English	DR. B. R. AMBEDKAR'S BUDDHA AND HIS DHAMMA : A LITERARY PERSPECTIVE.	Dr. Hitendra B. Dhote Adarsh Arts & Comm. College, Desaiganj (Wadsa), Dist – Gadchiroli.
9	Mr. Unmesh Ajabrao Ghuge	08/10/2014	29/01/2021	Ph.D.	Inter-disciplinary Studies	Social Work	ग्रामीण विकासात ग्रामसभेचे योगदान (निवडक ग्रामपंचायत –वाशीम जिल्हा)	Dr. Sanjay S. Salivkar Indrapuri Layout, 1/F Sudarshan Building Farashi Stop. Dastur Nagar, Amrawati.



10	Mr. Nomesh Narayanrao Meshram	03/02/2016	04/09/2020	Ph.D.	Humanities	English	A THEMATIC AND STRUCTURAL STUDY OF AGHA SHAHID ALI'S ENGLISH GHAZALS.	Dr. Yuvraj N. Meshram Nevjabai Hitkarini College, Bramhapuri, Dist – Chandrapur.
11	Mr. Vaibhav Dudharam Masram	03/02/2016	11/11/2020	Ph.D.	Humanities	English	TREATMENT OF TRIBAL LIFE AND CULTURE IN SELECT NOVELS AND SHORT STORIES OF MAHASWETA DEVI.	Dr. Shriram Govinda Gahane Adarsh Arts & Commerce College, Desaiganj (Wadsa), Dist – Gadchiroli.
12	Mr. Chaitanya Ajabrao Ghuge	01/02/2016	25/01/2021	Ph.D.	Humanities	Law	AN ANALYTICAL STUDY OF EXTENT AND SCOPE OF FREEDOM OF PRESS IN INDIA WITH SPECIAL REFERENCE TO RIGHT TO PRIVACY OF PUBLIC PERSONAE/ CELEBRITIES AND ITS VIOLATION BY MEDIA.	Dr. Pranay R. Malviya Dr. Panjabrao Deshmukh College of Law, Amravati.
13	Mr. Ashish Babanrao Akojwar	09/10/2014	09/10/2020	Ph.D.	Science & Technology	Physics	Synthesis of Eu ²⁺ and Ce ³⁺ activated phosphate Phosphors for white light emitting diode Applications.	Dr. N. S. Kokode (Guide) N. H. College, Bramhapuri, Dist – Chandrapur. Dr. Kartik N. Shinde (Co-Guide) N. S. College, Bhadrawati, Dist – Chandrapur.
14	Miss. Maya Suryabhanji Wahane	05/02/2016	23/09/2020	Ph.D.	Science & Technology	Botany	SEASONAL VARIATIONS IN PHYTOPLANKTON WITH RESPECT TO PHYSICO-CHEMICAL CHARACTERISTICS OF SAKHARWAHI RESERVOIR, SAKHARWAHI. DISTRICT CHANDRAPUR. (MAHARASHTRA) INDIA.	Dr. Y. B. Gedam Janata College, Civil Lines, Chandrapur.
15	Miss. Shraddha Khushal Ramteke	09/10/2014	07/12/2020	Ph.D.	Science & Technology	Physics	Study of Luminescence in rare earth activated Aluminates & Phosphate based Phosphors for solid State Lighting.	Dr. N. S. Kokode (Guide) N. H. College, Bramhapuri, Dist – Chandrapur. Dr. A. N. Yerpude N. H. College, Bramhapuri.



16	Ku. Vaishali Gangadhar Borde	05/11/2014	09/03/2021	Ph.D.	Commerce & Management	Management	A Comparative Study of Customer Satisfaction in State Bank of India & Bank of India in Gadchiroli District. (Period 2002-2012)	Dr. Niyaz S. Sheikh Institute of Management Studies & Research Kosara, Chandrapur.
17	Mr. Mahesh Rushikumar Thengare	12/03/2014	25/02/2020	Ph.D.	Science & Technology	Zoology	HAEMATOLOGICAL INVESTIGATION IN WILD CAUGHT EMBALLONURID BAT, TAPHOZOUS KACHHENSIS (DOBSON) DURING REPRODUCTIVE CYCLE.	Dr. A. A. Dhamani N. H. College, Bramhapuri, Dist – Chandrapur.
18	Mr. Prashant Vasantrao Chavhan	10/02/2016	24/02/2021	Ph.D.	Inter-disciplinary Studies	Education	विदर्भातील विज्ञान शाखेतील उच्च माध्यमिक स्तरावरील विद्यार्थ्यांमधील वैज्ञानिक दृष्टीकोन, शैक्षणिक संपादन आणि समस्या निराकरण यांचा चिकित्सक अभ्यास.	Dr. Deepak B. Punse Swavalambi College of Education, Wardha.
19	Mr. Dilip Baburao Choudhari	09/02/2016	15/06/2021	Ph.D.	Humanities	Geography	महाराष्ट्राच्या चंद्रपूर जिल्ह्यातील ताडोबा अंधारी व्याघ्र प्रकल्पांतर्गत वन्यजीव पर्यटनाचे भौगोलिक अध्ययन.	Dr. R. R. Randive G.V. College, Nagbhid, Dist – Chandrapur.
20	Miss. Pallavi Madan Satkar	26/04/2017	01/04/2021	Ph.D.	Commerce & Management	Management	AN ANALYTICAL STUDY ON IMPACT OF MEDIA ON THE CONSUMER BUYING BEHAVIOUR FOR BRANDED CLOTHS. WITH SPECIFIC REFERENCE TO CHANDRAPUR DISTRICT. PERIOD OF STUDY (2010-2015)	Dr. J. N. Chakravarty Institute of Management Studies & Research Kosara, Chandrapur.
21	Mr. Purushottam Kakaji Naktode	12/10/2020	09/10/2014	Ph.D.	Science & Technology	Physics	Spectroscopic Characterizations of Halophosphate Phosphors for Future Lighting Applications.	Dr. N. S. Kokode (Guide) N. H. College, Bramhapuri, Dist – Chandrapur. Dr. K. N. Shinde (Co-Guide) N. S. College, Bhadrawati, Dist – Chandrapur.



22	Mr. Vijay Pundlik Talodhikar	28/05/2021	08/02/2016	Ph.D.	Science & Technology	Mechanical Engineering	Design, Analysis and Fabrication of Manually Operated Potato Peeling Machine.	Dr. P. A. Potdukhe Rajiv Gandhi College of Engineering & Research Technology, Chandrapur.
23	Ku. Rajani Madhukarrao Manusmare	02/12/2020	16/07/2014	Ph.D.	Inter-disciplinary Studies	Education	स्मरण प्रतिमान आणि संकल्पनाप्राप्ती प्रतिमान यांची माध्यमिक स्तरावर गणित अध्यापनातील परिणामकारकता— एक प्रायोगिक अध्ययन.	Dr. C. P. Allewar Janata College of Education, Chandrapur.
24	Mr. Shraavan Rajeramji Banasure	24/11/2020	03/02/2016	Ph.D.	Humanities	English	The Chawl Culture in the Novels of Kiran Nagarkar.	Dr. Nadirkhan Pathan Arts, Commerce College, Gondpipri, Dist- Chandrapur.

By the Order of Hon'ble Vice Chancellor

(Dr. A. Z. Chitade)

Director

Board of Examinations & Evaluation,
Gondwana University, Gadchiroli. (M.S.)

NO./GUG/Ph.D. Cell/38/2022

Copy forwarded for information to:

1. The Candidates and their Supervisors
2. All Members of the Board of Examinations, Gondwana University, Gadchiroli
3. The Hon'ble Vice Chancellor, Gondwana University, Gadchiroli
4. The Hon'ble Pro-Vice Chancellor, Gondwana University, Gadchiroli
5. The Registrar, Gondwana University, Gadchiroli
6. Dept. of University Development, Gondwana University, Gadchiroli
7. The Knowledge Resource Center, Gondwana University, Gadchiroli
8. The Director, Students Welfare, Gondwana University, Gadchiroli
9. The Director, Board of Examinations & Evaluation, Gondwana University, Gadchiroli
10. The Director, Innovation, Incubation & Linkages, Gondwana University, Gadchiroli.

07 April, 2022

11. The Finance and Accounts officer, Gondwana University, Gadchiroli
12. The System Annalists, Gondwana University, Gadchiroli
13. All Heads of the Teaching Departments, Gondwana University, Gadchiroli
14. The Deputy Secretary, University Grant Commission, Bahadur Shah Zafar Marg, New Delhi-110 002
15. The Director, Indian Council of Social Sciences, 35, Firozshah Road, New Delhi-02
16. The Secretary General, Association of Indian Universities, 16, Kotla Road New Delhi-02
17. The Secretary, Inter University Board of India, Rose Avenue, New Delhi
18. The Joint Secretary, Library & Documentation Association of Indian Universities, 16, Kotla Road, New Delhi-02
19. The Librarian, Indian Institute of Sciences, Bangalore-12
20. The Registrar of All Universities, India (Through Mail)
21. The Senior Statistical Officer, University Grant Commission, Bahadur Shah Zafar Marg, New Delhi-110 002
22. All the Deputy Registrars, Gondwana University, Gadchiroli
23. All the Assistant Registrars, Gondwana University, Gadchiroli
24. Result Section, Gondwana University, Gadchiroli
25. The Director, INFLIBNET Centre, Near Gujarat University Guest House, P.B. No. 4116, Navrangpura, Ahmedabad – 380 009.



(Dr. Subhash R. Deshmukh)
Superintendent
Ph.D. Section
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Agent.	MAPS Intellectual Property Law Firm
Inventor	PARK, Kyeongsoon KIM, Ki Young Sanjay Janrao Dhoble Kartik N. Shinde

발명의 명칭

용액연소법을 이용한 금속이온-함유 형광체 분말의 제조 방법 및 이에 의한 형광체 분말

Title of Invention

The phosphor powder by manufacturing method of the metal ion - containing phosphor powder using solution combustion method and this.

요약

본원은 용액연소법을 이용한 $M_{3-3x/2}(VO_4)_2:XR$ (식 중, $0 \leq x \leq 0.3$ 이며, M은 1가 금속, 2가 금속 또는 3가 금속이고, R은 Eu, Tb, Ce, Dy, 또는 Sm임)로 표시되는 형광체 분말의 제조 방법에 관한 것으로서, 상기 형광체 분말의 크기와 형태가 균일하고, 고발광 강도, 고색순도, 및 고휘도를 가지기 때문에, 이 형광체 분말은 LED, PDP 등 다양한 디스플레이용 형광체로서 적합하게 사용될 수 있다.

Abstract

$m_{3-3x/2}(VO_{(sub)4}/(sub))_2$ using the present application is the solution combustion method: it is suitable as the various display fluorescent substances including LED, PDP etc. this phosphor powder can be therefore the high luminous intensity size and form of the phosphor powder are uniform as the invention relating to the manufacturing method of phosphor powder represented by XR (the metal or 3 of the metal, and 2 in the formula $0 \leq x \leq 0.3$, M of 1 is the metal. R is the eu, tb, ce, dy or the Sm), and the high purity and high luminance used with device configuration.

대표도면(Representative drawing)

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Dr. Kartik N. Shinde

Active Member, ICDD, USA

Secretary, Luminescence Society of India (Vidarbha Chapter)

Assistant Professor and Director

Department of Physics

R and D Cell, N.S. Science and Arts College

Chandrapur, Maharashtra

For the work with following details:

Publication Type: Patent

Work Title: Preparing Method of Phosphor Powder Containing Metal Ions by using Solution Combustion and Phosphor Powder by the Same

Patent No.: 1013825830000

Month of Publication: April

Year: 2014

Country: South Korea

A handwritten signature in black ink, appearing to read 'Nanjesh Bennur'.

Nanjesh Bennur
Director, InSc

Springer Series in Materials Science 174

Kartik N. Shinde · S. J. Dhoble · H. C. Swart · Kyeongsoon Park

Phosphate Phosphors for Solid-State Lighting

The idea for this book arose out of the realization that, although excellent surveys and a phosphor handbook are available, there is no single source covering the area of phosphate based phosphors especially for lamp industry. Moreover, as this field gets only limited attention in most general books on luminescence, there is a clear need for a book in which attention is specifically directed toward this rapidly growing field of solid state lighting and its many applications. This book is aimed at providing a sound introduction to the synthesis and optical characterization of phosphate phosphor for undergraduate and graduate students as well as teachers and researchers. The book provides guidance through the multidisciplinary field of solid state lighting specially phosphate phosphors for beginners, scientists and engineers from universities, research organizations, and especially industry. In order to make it useful for a wide audience, both fundamentals and applications are discussed, together.

Shinde · Dhoble · Swart · Park



Phosphate Phosphors for Solid-State Lighting

Springer Series in Materials Science 174

Kartik N. Shinde
S. J. Dhoble
H. C. Swart
Kyeongsoon Park

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Australian Government

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CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2021103839

The Commissioner of Patents has granted the above patent on 11 August 2021, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

Surya Prasada Borra of Associate professor, Prasad V, Potluri Siddhartha Institute of Tech. Kanuru, Vijayawada Andhra Pradesh 520007 India

Anuradha T of Professor, Dept. of E. & E.E., KCG College of Technology Chennai 600097 India

M Parimala Devi of Asso. Prof., Dept. of E. & C. E., Velalar College of Engg. & Tech. Erode Tamil Nadu 638012 India

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Logeswaran T of Asso. Prof., Dept. of E. & E. E., Kongu Engineering College Perundurai Erode 638060 India

Title of invention:

AN INTERNET OF THINGS BASED CIVIL ENGINEERING WATER PUMP WITH EMBEDDED SOLAR SYSTEM

Name of inventor(s):

Borra, Surya Prasada; T., Anuradha; Devi, M. Parimala; Shinde, Kartik N.; M., Hari Hara P.; Kumar, V. Sravan; Shanmugasundaram, V.; Fuskele, Veeresh; Nandankar, Praful and T., Logeswaran

Term of Patent:

Eight years from 3 July 2021

NOTE: This Innovation Patent cannot be enforced unless and until it has been examined by the Commissioner of Patents and a Certificate of Examination has been issued. See sections 120(1A) and 129A of the Patents Act 1990, set out on the reverse of this document.



Dated this 11th day of August 2021

Commissioner of Patents

PATENTS ACT 1990

The Australian Patents Register is the official record and should be referred to for the full details pertaining to this IP Right.

This data, for application number 2021103839, is current as of 2022-05-04 21:00 AEST

