

Name : Dr. Prasad Narayan Patil  
Designation : Assistant Professor  
Qualification : M.Sc (Physics), Ph.D., NET (JRF), SET (Physics), Higher Diploma in Software Engineering  
Appointment : Regular

Teaching Experience: 12 years

Research Experience: 10 years

Subject Taught : Solid State Physics, Applied Physics, Engineering Physics

Research Interest : Experimental Solid State Physics, Synthesis of Nanomaterials by (Physical & Chemical Methods), Optical, Electrical, Magnetic, and Supercapacitor & Thermo power Properties.

Books Authored : Research & Development Reports on “**NATIONAL GAS HYDRATES PROGRAMME (NGHP)**” for undertaking the Geoscientific investigations of shallow sediments in the K-G offshore basin, East Coast, and Goa offshore, West Coast by **National Institute of Oceanography (NIO), Donapaula-Goa, CSIR.**

Research Papers Published/Presented:

(a) **LIST OF JOURNAL PUBLICATIONS**

(1) “Enhanced Electrical & Thermoelectric Power properties of BaWO<sub>4</sub>/CaWO<sub>4</sub> nanocomposites” **Dr. Prasad Narayan Patil** ; ***Applied Physics A, Volume 127, Issue 09, 731(2021).***[SCOPUS/UGC-CARE]{IMPACT FACTOR: 3}

(2)“Enhanced blue emission of CaWO<sub>4</sub> in BaWO<sub>4</sub>/CaWO<sub>4</sub> nanocomposite”**Dr. Prasad Narayan Patil**; ***Journal of Materials Science: Materials in Electronics, Volume 31, Issue: 9, 7260-7275, (2020).*** [SCOPUS/UGC-CARE]{IMPACT FACTOR: 3}

(3) “Thermoluminescence (TL) Studies in Kcl (Pure), KBr (Pure), Kcl-Kbr Mixed Crystals above Room Temperature” **Dr. Prasad Narayan Patil**; ***International Journal of Advances in Mangament,Technology & Engineering Sciences ,Vol.IV,Issue 6(1),(2015).*** [UGC-CARE]{IMPACT FACTOR: 6.3}

(b) **CONFERENCES/SYMPOSIUM/UGC-CARE LISTED PROCEEDINGS**

(1) “Preparation, Characterization & Luminescence Properties of Mixed Ba<sub>x</sub>Ca<sub>1-x</sub>WO<sub>4</sub> Nanopowder for Opto-Electronics Applications “ **Dr. Prasad Narayan Patil** “***Indo-South Korea-Thailand 3<sup>rd</sup> International Conference on Nanoscience and Nanotechnology for Energy, Environment and Biomedical Applications (iNEEBA-2023)***” Organized by Vinayaka Mission’s Kirupananda Variyar Arts and Science College, India in association with Core-facility Center for Photochemistry & Nanomaterials ,Research Institute of Natural Science (RINS).Gyeongsang National University (South Korea) and Chulalongkorn University,Thailand during [**1<sup>st</sup>-2<sup>nd</sup> October,2023**].

- (2) “Preparation and Characterization of Ce<sup>3+</sup> doped BaWO<sub>4</sub> Nanomaterials” Dr. Prasad Narayan Patil “*Indo-South Korea-Thailand 2<sup>nd</sup> International e-Conference on Nanoscience and Nanotechnology for Energy, Environment and Biomedical Applications (iNEEBA-2022)*” at Vinayaka Mission’s Kirupanada Variyar Arts & Science college(Salem) in association with *Gyeongsang National University (South Korea)*during [24<sup>th</sup>-25<sup>th</sup> November 2022].
- (3) “Preparation and Characterization of Bi<sup>3+</sup> doped BaWO<sub>4</sub> Nanomaterials” Dr. Prasad Narayan Patil “*International E-Conference on Nanoscience and Nanotechnology for Energy,Environment and Biomedical Applications*” at Vinayaka Mission’s Kirupanada Variyar Arts & Science college(Salem) & *Gyeongsang National University (South Korea)* in association with Vinayaka Mission’s Kirupanada Variyar Arts & Science college,Periyaseeragapadi,Salem, Tamil Nadu during [07<sup>th</sup>-08<sup>th</sup> October2021].
- (4) “Preparation, Characterization of Cr<sup>3+</sup> doped BaWO<sub>4</sub> Nanomaterials” Dr. Prasad Narayan Patil “*National Symposium on recent Trends in Condensed Matter Physics andMaterials Science (CMPGoa-2020)*” at School of Physical and Applied Sciences, Goa University & Indian Institute of Technology (IIT), Goa at Goa University,Taleigao Plateau,Goa during [12<sup>th</sup>-13<sup>th</sup> March 2020].
- (5) “Preparation, Characterization & Optical properties of trivalent doped BaWO<sub>4</sub> Nanomaterials” Dr. Prasad Narayan Patil “*International Conference on Nano-materials for Environmental Applications (NEA2019)*”, organized by Dhempe College ofArts & Science, Miramar, Goa during [6<sup>th</sup>-7<sup>th</sup> March 2019].
- (6) “Preparation, Characterization & Study of Luminescence properties of manganese doped BaWO<sub>4</sub> nanomaterials” Dr. Prasad Narayan Patil “*National seminar on Advancement in Science and Technology*”, at Department of Chemistry and Physics, Government college of Arts, Science & Commerce, Khandola, Goa during [9<sup>th</sup> February 2019].
- (7) “Preparation, Characterization & Study of Luminescence Properties of Chromium Doped BaWO<sub>4</sub> Nanomaterials” Dr. Prasad Narayan Patil “*International Conference on Energy, Environment and Advanced Materials for a Sustainable Future (ICEEAMSF-2017)*”, at Kongu Engineering College, Perundurair-Erode, Tamilnadu during [23-24<sup>th</sup> May 2017].
- (8) “Preparation, Characterization & study of Luminescence properties of rare earth doped BaWO<sub>4</sub> nanomaterials” Dr. Prasad Narayan Patil “*National Level symposium on Materials characterization and manufacturing (MCM-2016)*”,at Department of Physics,Goa University,Taleigao Plateau,Goa during [18-19<sup>th</sup> August 2016].
- (9) “Production of Metal Nanopowder through Wire Explosion Process” Dr. Prasad Narayan Patil “*7th International Conference on IT & BUSINESS*

**INTELLIGENCE (ITBI-15)**”,in Association with IMT Nagpur & Shree Rayeshwar Institute of Engineering & Information Technology (SRIEIT), at Shree Rayeshwar Institute of Engineering & Information Technology (SRIEIT),Shiroda,Goa during [21-23<sup>rd</sup> January 2016].

- (10) “Synthesis & Characterization of Nanophosphors-Future Luminescent Materials” Dr. Prasad Narayan Patil “**7th International Conference on IT & BUSINESS INTELLIGENCE (ITBI-15)**”,in Association with IMT Nagpur & Shree Rayeshwar Institute of Engineering & Information Technology (SRIEIT), at Shree Rayeshwar Institute of Engineering & Information Technology (SRIEIT),Shiroda,Goa during [21-23<sup>rd</sup> January 2016].
- (11) “Thermoluminescence (TL) Studies in Kcl (Pure), Kbr (Pure), Kcl-Kbr (Mixed crystals) above Room Temperature” Dr. Prasad Narayan Patil “**International Conference on Latest Trends in Engineering & Technology in Global R & D Sector**” at Shree Rayeshwar Institute of Engineering & Information Technology (SRIEIT),Shiroda,Goa on [27-28<sup>th</sup> March 2015].

#### **Awards and Honors:**

- 1) National Talent Award of **Junior Research Fellowship (JRF)** in Defence Research Development Organization (DRDO).
- 2) National Talent Award of **Senior Research Fellowship (SRF)** in Defence Research Development Organization (DRDO).
- 3) Awarded **UGC -State Eligibility Test (SET) in Physics** for Maharashtra & Goa state .
- 4) Awarded **Life Membership of Indian Association of Physics Teachers (IAPT)**.
- 5) Felicitated at 21<sup>st</sup> Annual Convention of Indian Association of Physics Teachers (IAPT), Goa(RC-21) for achievement of **Doctor of Philosophy in Physics (PhD)**.

#### **Extracurricular activities/hobbies:**

- 1) Passed National Cadet Corps (NCC) Examination, playing chess, football.