

Curriculum Vitae

Name : Dr. Prasad Narayan Patil
Designation : Assistant Professor in Physics
Qualification : M.Sc(Physics), Ph.D., SET(Physics), Higher Diploma in Software Engineering
Appointment : Regular (Ganpat Parsekar College of Education, Harmal-Goa)

Teaching Experience: 14 Years

Research Experience: 12 Years

Subject Taught : Physics, Applied Physics, Solid State Physics

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

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

Research Papers Published/Presented:

(a) LIST OF JOURNAL PUBLICATIONS (Total= 03)

(1) “Enhanced Electrical & Thermoelectric Power properties of BaWO₄/CaWO₄ 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 CaWO₄ in BaWO₄/CaWO₄ 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 Management, Technology & Engineering Sciences*, Vol. IV, Issue 6(1), (2015). [UGC-CARE] {IMPACT FACTOR: 6.3}

(b) CONFERENCES/SYMPOSIUM/UGC-CARE LISTED PROCEEDINGS (Total=14)

(1) “Preparation, Characterization & AC Electrical, Dielectric Properties of xBaWO₄/(1-x)CaWO₄ Nanocomposites” Dr. Prasad Narayan Patil 2nd International conference on Sustainable materials & Advances in Regenerative Technologies (SMART-2.0) organized by Department of Science, Sona College of Technology, Salem during [29th & 30th January 2026].

(2) “Stress Meter: Skin Conductance to Measure Stress” Dr. Prasad Narayan Patil Indo-South Korea-Thailand 4th International Conference on Nanoscience and Nanotechnology for Energy, Environment and Biomedical Applications (iNEEBA-2024)” 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(GNU),South Korea and Department of Chemical Engineering,Chulalongkorn University,Thailand during [13th - 14th October,2025].

(3)“Preparation, Characterization & DC electrical conductivity properties of $x\text{BaWO}_4/(1-x)\text{CaWO}_4$ nanocomposites” Dr.Prasad Narayan Patil *Indo-South Korea-Thailand 4thInternational Conference on Nanoscience and Nanotechnology for Energy, Environment and Biomedical Applications (iNEEBA-2024)”* 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(GNU),South Korea and Department of Chemical Engineering,Chulalongkorn University,Thailand during [8th-9th November ,2024].

(4)“Preparation, Characterization & Luminescence Properties of Mixed $\text{Ba}_x\text{Ca}_{1-x}\text{WO}_4$ Nanopowder for Opto-Electronics Applications” Dr.Prasad Narayan Patil *“Indo- South Korea-Thailand 3rdInternational Conference on Nanoscience andNanotechnology 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 [1st-2nd October,2023].

(5) “Preparation and Characterization of Ce^{3+} doped BaWO_4 Nanomaterials” Dr.Prasad Narayan Patil *“Indo-South Korea-Thailand 2nd International e-Conference on Nanoscience and Nanotechnology forEnergy, 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[24th-25th November 2022].

(6) “Preparation and Characterization of Bi^{3+} doped BaWO_4 Nanomaterials” Dr.Prasad Narayan Patil *“International E-Conference on Nanoscienceand Nanotechnology for Energy,Enviornment 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, TamilNadu during[07th-08th October 2021].

(7)“Preparation, Characterization of Cr^{3+} doped BaWO_4 Nanomaterials” Dr. PrasadNarayan Patil *“National Symposium on recent Trends in Condensed Matter Physics and Materials 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[12th-13th March 2020].

(8) “Preparation, Characterization & Optical properties of trivalent doped BaWO_4 Nanomaterials” Dr. Prasad Narayan Patil *“International Conference on Nano- materials for Environmental Applications (NEA2019)”*, organized by Dhempe College of Arts & Science, Miramar, Goa during [6th-7th March 2019].

(9) “Preparation, Characterization & Study of Luminescence properties of manganese doped BaWO_4 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 [9th February 2019].

(10) “Preparation, Characterization & Study of Luminescence Properties of Chromium Doped BaWO₄ Nanomaterials” Dr. Prasad Narayan Patil “International Conference on Energy, Environment and Advanced Materials for a Sustainable Future (ICEEAMSF-2017)”, at Kongu Engineering College, Perundurai-Erode, Tamil Nadu during [23-24th May 2017].

(11) “Preparation, Characterization & study of Luminescence properties of rare earth doped BaWO₄ 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 [18-19th August 2016].

(12) “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- 23rd January 2016].

(13) “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 [21-23rd January 2016].

(14) “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 [27-28th March 2015].

Awards and Honors:

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

Extracurricular activities/hobbies: Passed National Cadet Corps (NCC), playing chess, football.

