

Faculty Profile



Name : Dr. Anagha A. Pathak
Educational qualification : M.Sc, B. Ed, Ph.D
Area of Specialization : Physics
Thrust Area : Luminescence, Spectroscopy, Quantum Mechanics, Solar Physics, Digital Electronics.
Designation : Assistant Professor (CHB – UG)
Institution : Lady Amritbai Daga & Smt. Ratnadevi Purohit College for Women, Nagpur

Languages known : Marathi, Hindi, English
Teaching Experience : 17 Years including at LAD

Conferences Attended : National conferences/ International conferences

1. International Conference on Condensed matter and Applied Physics, Govt Engineering College, Bikaner
2. Recent Advancements in Physics and materials Sciences, National Symposium for research Scholars, Dept of Physics, RTMNU, Nagpur
3. National Conference on current developments in Nanosciences : challenges and opportunities, Kamala Nehru Mahavidyalaya, Nagpur

Publications and Research Papers:

1. NIR Emission and Ce^{3+} - Nd^{3+} Energy Transfer in $LaCaAl_3O_7$ Phosphor Prepared by Combustion Synthesis A.A.Pathak^a, R.A.Talewar^b, C.P.Joshi^b, S.V.Moharil^c Journal of Luminescence 179(2016)350–354
<http://dx.doi.org/10.1016/j.jlumin.2016.07.021> 0022-2313/& 2016
2. Energy-Transfer Behavior in Blue Color Ce^{3+} , Eu^{2+} Activated $LaMgAl_{11}O_{19}$ Phosphor Prepared by Combustion Synthesis Using Mixed of Fuel Technique.A.A. Pathak^{1*}, P.J. Yadav², C. P. Joshi², S. V. Moharil³
Research J. Engineering and Tech. 7(1): January - March, 2016, IISSN 0976-2973 (Print)
www.anvpublication.org 2321-581X (online)
3. Blue emission of Eu^{2+} doped $LaMgAl_{11}O_{19}$ phosphor prepared by combustion synthesis method
A. A. Pathak, P. J. Yadav, R. A. Talewar, C. P. Joshi, and S. V. Moharil 1728, 020248 (2016); doi: 10.1063/1.4946299 AIP Conference Proceedings : <http://dx.doi.org/10.1063/1.4946299>
<http://scitation.aip.org/content/aip/proceeding/aipcp/1728?ver=pdfcov>,
4. Near infrared emission of $TbAG:Ce^{3+}, Yb^{3+}$ phosphor for solar cell applications N. D. Meshram, P. J. Yadav, A. A. Pathak, C. P. Joshi, and S. V. Moharil Citation: 1728, 020201 (2016); doi: 10.1063/1.4946252 AIP Conference Proceedings: <http://dx.doi.org/10.1063/1.4946252>
<http://scitation.aip.org/content/aip/proceeding/aipcp/1728?ver=pdfcov>, the AIP Publishing
5. Communicated Paper : Sensitization of Yb^{3+} Emission in $CaYAl_3O_7$ Host A.A.Pathak^a, R.A.Talewar^{b,n}, C.P.Joshi^b, S.V.Moharil^c Journal title: Optical Materials National Conferences: National Conference on Advanced Research Trends in Sciences NCARTS 2015 “Photoluminescence in rare earth doped $LaMgAl_{11}O_{19}$ phosphor prepared by modified combustion synthesis with Ethanolamine” A.A.Pathak(a), C.P.Joshi(b) and S.V.Moharil(c)

Workshops : Two weeks ISTE National Workshop on Analog Electronics conducted by IIT Kharagpur

Faculty Development Programmes : STC on Effective research methodology, PIET, Nagpur

Achievements: Received appreciation letter by Hon. Nitin Gadkari Union Minister, Govt. of India for distributing homemade food for needy during Covid19’ pandemic