Personal Profile

Name : Dr.Roshani Narendra Bhagat

Qualifications **:** M.Sc.,Ph.D.,B.Ed.

Designation : Assistant Professor of Physics

Mobile No. : 7588244608

Email :roshanibhagat04@gmail.com

Teaching Experience : 4 years

Subject Expertise : Condensed Matter Physics

E-Content Channel :

https://www.youtube.com/@dr.roshanibhagatabdeo2506

Research Experience: 7 years

Area of Research : Polymer Nanocomposite, Thin Film Preparation Techniques

Research Platform link: https://scholar.google.com/citations?user=zFEcjgQAAAAJ&hl=en

: https://vidwan.inflibnet.ac.in/profile/483320

Academic Contribution: -----

Membership : 1) Indian Science Congress Association.

2) MTISA- Maharashtra Technical Institutes Staff Association

3) ISTE- The Indian Society for Technical Education

4) Marathi Vidnyan Parishad, Amravati.

Research Contribution:
Recognized as Research Guide: ----------
Research Paper Publications in Journals

	:	International : 16
		National : 01
Research Guidance	:	----
Awarded	:	----
Presently Working Students	:	----
Research / Consultancy Projects	:	----

Other : Contribution in College Committees

Convenor	: College Prospectus
Convenor	: Carrier Counselling and Guidance Cell
Member	: Internal Quality Assurance Cell (IQAC)
Member	: Training & Placement Cell
Member	: Women Cell
Member	: Research Committee

Award and Honor :

1) Won 1st prize in oral paper presentation on Ph.D. topic in the section of department of physics, during **2nd -3rd Nov. 2015**, in the National conference on Emerging Research Trends in Engineering & Technology, (NCERT-2015)
2) Got Best Learner award in Four week International Faculty Development Program of Environment and Sustainability during 1 May – 31 May, 2020, organised by D. Y. Patil College of Engineering, Akurdi.
3) Gov. of India granted a patent to me for an invention entitled 'RHODAMIN6G DYE DOPED PVA/KSCN REVERSIBLE, SUSTAINABLE POLYMER GEL ELECTROLYTE AND PROCESS OF SYNTHESIS THEREOF' on dated 24/08/2020.
4) Gov. of India granted a patent to me for an invention entitles "Opto-thermo-electret CdS doped photosensitive polymer and process for preparation thereof.' on dated 14/03/24.

Patent Application Filed-

Sr. No.	Patent Application Number	Patent Title	Applicant Name	Patent Status
1	**201921004691**	Opto-thermo-electret CdS doped photosensitive polymer and process for preparation thereof.	Dr. Roshani N. Bhagat, Dr. Mrs.Vijaya S. Sangawar, Dr. Shital N. Bhad.	Awarded on dated 14/03/24
2	**201921008615**	Rhodamine6G dye doped PVA/KSCN reversible, sustainable polymer gel electrolyte and process of synthesis thereof.	Dr. Roshani N. Bhagat, Dr. Mrs.Vijaya S. Sangawar, Dr. Shital N. Bhad.	Awarded, 24/08/2021

5) Stem eyes education private limited team, Life Learning and Extension Section, Sant Gadge Baba Amt University and Marathi Vidhyan Parishad Amravati Division felicitate me by offering Shawl, Shrifal and Sanmanchinha on dated 14 oct 21 during 11.00 am to 2.00 pm at Seminar Hall, Botany Dept., Sant Gadage Baba Amt University, Amravati.

Research Paper Published in Journals

Sr. No.	Title	Author	Vol.(Issue) Year pp	International/ National, Impact Factor	Journal, ISSN No
1	The Effect of Polymer on Structural And Dielectric Properties of KDP	Sangawar V.S., **Bhagat Roshani**	Vol. 3(2); July-December (2010); pp 164-166;	National, Impact factor 4.856	Bionano Frontier ISSN 0974-0678
2	Synthesis & Characterization of Semiconducting CdS & ZnO Nanoparticles	**Roshani Bhagat**, Vijaya Sangawar	Vol 5(2); (2011); pp. 109-116.	International	International Journal of Nanotechnology and Application ISSN 0973-631X
3	Synthesis and Structural prop. of poly (ethylene oxide) complexed with CdS	**Bhagat Roshani,** Sangawar V.S.	Vol 2(11); Nov. (**2013);** Pp. 6539-6547	International 4.371	International journal of Innovative Research in Science Engg& Tech ISSN (online): 2349-6010
4	Morphology of Cadmium Sulfide/Polystyrene Nanocomposites	**Roshani Bhagat,** Vijaya Sangawar	Vol.4(1); **(2013);** pp. 35-39;	International	International Journal of Nanoscience and Nanotechnology ISSN 0974-3081
5	Morphology of Cadmium Sulfide/Poly (ethylene) oxide Nanocomposites	**Bhagat R.N**., Sangawar V.S.	Vol.3(9); **2014;**	International	International Journal of Current Microbiology and Applied Sciences ISSN 2319-7706
6	Synthesis and Structural properties of polystyrene	**Roshani Bhagat**, Vijaya Sangawar	Vol.6(11);	International	International Journal of Science & Research,

	complexed with Cadmium Sulfide		November **(2017);** pp 361-365		ISSN (online): 2319: 7064
7	Structural and Morphological Analysis of ZnO Nanoparticles Filled Low Density Polyethylene Thin Films	Manisha Golchha, Vijaya Sangawar, **Roshani Bhagat,** Nilesh Thakare	Vol 4(8); Jan **(2018);** pp (88-92);	International Impact factor - 4.371	International Journal for Innovative Research in Science & Technology ISSN (online): 2349-6010
8	DC Conductivity Study of Cadmium Sulfide Nanoparticles	**Roshani Bhagat**, Manisha Golchha, Nilesh Thakare	Vol.6(7) **July (2018);** pp 74 – 77;	International SJIF 5.837	International Journal on Recent and Innovation Trends in Computing and Communication (IJRITCC), ISSN: 2321-8169
9	DC electrical conductivity and thermal analysis of low density polyethylene filled with zinc oxide nanoparticles	Manisha Golchha, Vijaya Sangawar, **Roshani Bhagat**	Vol.6(1), Jan. **2019,** pp 269-273	International SJIF = 6.263	International Journal of Current Engineering And Scientific Research ISSN (Print): 2393-8374 (Online): 2394-0697
10	Porous Silicon as a CL2 gas sensor at room temperature with different current densities	Nilesh Thakare, Yogesh Thakre, **Roshani Bhagat**, Manisha Golchha, Amol Nande	Vol.6(1), Jan. **2019** pp 569-572,	International SJIF = 6.263	International Journal of Current Engineering And Scientific Research ISSN (Print): 2393-8374 (Online): 2394-0697
11	Synthesis of Nano-Cadmium Sulfide Using Urea as a Capping Agent.	**Roshani Bhagat,** Shital Bhad, Vijaya Sangawar, Nilesh Thakare, Swati Aswale	Vol.28(20), **Dec- 2019**, pp1243-1246	International SJR 0.13	Scopus Journal- International Journal of Advanced Science and Technology ISSN: 2005-4238 I
12	To Study AC Electrical Conductivity of TiO2 doped Polyaniline.	N.R. Thakare, Swapnil Sawant, **R.N. Bhagat**, S.D. Wakde	Vol. 28(20), **Dec-2019** pp 1238-1241	International SJR 0.13	Scopus Journal- International Journal of Advanced Science and Technology ISSN: 2005-4238 I
13	E-presentation of 'Synthesis and Structural properties of polystyrene complexed with Cadmium Sulfide'.	Link- **https://youtu.be/UN-Dmwjzb6Q**			
14	The divergence of the LASER beam emitted by the segment would have less angle of divergence because the plasma has less thickness.	A.P. Pachkawade, **R.N. Bhagat**, K.K. Hurde	Vol 7 (3), **Sept 2020** pp 238-241	International, Impact Factor 5.98	International Multidisciplinary Multilingual Peer Reviewed Research Journal, ISSN 2394-

					7632, EISSN 2394-7640
15	Characterization and Chemically Synthesized Cadmium Sulfide/ Polyvinyl Alcohol Nanocomposites	**Roshani Bhagat**, Shital Bhad, Ashwin Pachkawade, Vijaya Sangawar	Pp256-259, April 2021	Multidisciplinary International Research Journal Impact Factor 7.6	B. Aadhar, Peer-Reviewed & Refreed Indexed, Multidisciplinary International Research Journal, ISSN-2278-9308
16	Capacitance Study of PVA Based Polymer Gel Electrolyte.	Shital Bhad, **Roshani N. Bhagat**, Swati P. Aswale, V. S. Sangawar	Pp 39-43, April 2021	Multidisciplinary International Research Journal Impact Factor 7.6	B. Aadhar, Peer-Reviewed & Refreed Indexed, Multidisciplinary International Research Journal, ISSN-2278-9308
17	Music File Recovery	Swati Aswale, **Roshani Bhagat,** Shital Bhad	Pp 213-216, April 2021	Multidisciplinary International Research Journal Impact Factor 7.6	B. Aadhar, Peer-Reviewed & Refreed Indexed, Multidisciplinary International Research Journal, ISSN-2278-9308

PUBLICATION OTHER THAN JOURNAL ARTICLES (BOOKS, CHAPTERS IN BOOKS)

Sr. No.	Title with page nos. / Chapter with page no.	Book Title, & publisher	Publication International/ National/ Local, Year	ISSN/ ISBN No.
1	Multilingual Indian Musical Type Classification	Book Title:-VLSI, Communication and Signal Processing Publisher:- Springer	International, (2022-2023)	ISSN 1876-110 ISSN 1876-1119 (electronic) Lecture Notes in Electrical Engineering ISBN 978-981-99-0972-8 ISBN 978-981-99-0973-5 (eBook)