

Maratha Vidya Prasarak Samaj's
Arts, Commerce and Science College, Nandgaon, Dist. Nashik (M.S.)

Faculty Profile



Faculty Name	: Dr. Ganesh Jagannath Mogal Head, Department of Physics
Qualification	: M.Sc., M.Phil., Ph.D.
Designation	: Assistant Professor
Address for Communication	: ShivrayBanglow, Omkar Hos. Society, Shantinagar, Makhmalabad Nashik
Field of specialization	: Physics, Nanoscience and Nanotechnology, Material Science
Email Id :	: ganeshmogal82@gmail.com

Qualification

Sr.	Degree	University/Institution	Grade	Year of passing	Specialization
1	B.Sc.	Savitribai Phule Pune University Pune	First class	2003	Physics
2	M.Sc.	Savitribai Phule Pune University Pune	First class	2005	Physics
4	M.Phil.	M.K. University	-	2012	Physics
5	Ph.D.	SavitribaiPhule Pune University Pune	-	2016	Physics

Ph.D. Recognition

Recognition	By paper/Research	Date	Ref. no.
Ph.D.	By Research	24 /06 /2021	BOD/Sci. & Tech./30/146

Ph.D. Student Guided

Sr. no	Name of the Ph.D. student	Completed/ Ongoing	Title of research	University
1	Chavan Siddhesh Dnyaneshwar	Ongoing	Synthesis and Characterization of NickelOxide and its Nano-composites for Gas Sensing Application.	SPPU, Pune
2	Gaikwad Akash Anil	Ongoing	Synthesis and characterization of Zinc Titanate for Gas Sensing Application	SPPU, Pune
3	Kushare Nisha Nandkumar	Ongoing	Synthesis and Characterization of Modified MSnO3 (M= Ca, Sr, Ba) Nanocomposites and Study of its Photocatalytic Activity	SPPU, Pune

Experience

Sr. no	Name & Address of Employer	Post Held	Period of service
1	K.T.H.M. College Nashik	Assistant Professor in Botany	12/1/2006 to31/01/2023
2	ACS College, Nandgaon	Assistant Professor in Botany	01/02/2023to date

Faculty as a members : National Committees / International Committees/ Editorial

Boards/BOS/Coordinator

Sr.	Committee
1	Program Advisory Committee, YCMOU, Work as PAC in YCMOU to design PG syllabus.
2	BOS SPPU, Pune, work as BOS Member (Special Invitees) for Nanoscience and Nanotechnology.
3	Coordinator UGC-HRDC workshop, work as a Coordinator of Workshop for NSS officer and Board of Student Development officer on “Sustaining Physical Mental Health during Pandemic Period”.
4	Coordinator of National Conference, work as a Coordinator of National Conference on” Advance Trends in nanomaterial Synthesis and Applications-2021”.
5	Coordinator of State Level Conference, work as a Coordinator of State Level Conference on NEP-2020.
6	District Coordinator, work as a District Coordinator of S.Y.B.Sc. Practical
7	International Reviewer, work as a Reviewer of International Journal of Chemical and Physical Science.

Faculty Members as Keynote Speaker and Resource Person

Sr. No.	Name of the Conference/ Seminar/Workshop	Keynote Speaker/Resource Person	Place	Dates
1	International Conference on Recent Trends in Engineering, Technology and Management	Keynote Speaker	Guru Gobind Singh Polytechnic College Nashik.	23/02/2022
2	Two Day National Conference on Nanoscience and Nanotechnology “NANOTSAV-19”.	Resource Person	Sandip University, Nashik	11 & 12th Oct. 2019

Book Chapter Published

Sr no.	Title of the book/chapters published	Title of the Chapter	Year of publication	ISBN/ISSN number of the proceeding
1	Springer	Preparation of Ni-doped ZnO Nanorods by Hydrothermal Route for Gas Sensor Applications	2020-2021	978-81-929124-4-8

Under the Guidance for Post Graduate (M.Sc. Project) Students

Number of students	College Name	Duration
16	K.T. H. M. College Nashik	2016-2023

Academic Staff College Orientation/Refresher / Short-term Course attended during the year

Sr No.	Name of the Course	Duration	Sponsoring Agency
1	Orientation course	28 days	UGC-HRDC Orientation, Programme, Panjabi University, Patiala, Panjab
2	Refresher course	8 week	Refresher Course on Teacher and Teaching in Higher Education, NPTL, Swayam
3	Refresher course in life science	16 days	Science academies' Refresher Course on Basic Science:- Solid State Physics and Quantum Mechanics, RYK College, Nashik

Research Paper Published on Journal

Sr.No	Title of the Paper	Name of the Journal	Vol. & Issue No. Pages/ Year	ISSN No	National/ International
1	Hydrothermally Synthesized NanoTiO ₂ Thick Films for Gas Sensing Application	Chemical Science Transactions	2015, 4(1), 296-302	DOI:10.7598/cst2015.981	International
2	Hydrothermal Synthesis of TiO ₂ Nanorods using TiCl ₃ and Its Gas Sensing Properties	International Journal of Enhanced Research in Science Technology & Engineering	Vol. 3 Issue 11, November-2014, pp: (123-130)	2319-7463	International
3	TiO ₂ Nanorods Based Highly Sensitive Liquefied Petroleum Gas Sensor	Journal of Advanced Physics	Vol. 5, pp. 1-7, 2016	2168-1996	International
4	Hydrothermal synthesis of TiO ₂ using TiCl ₃ with Nutrients and gas sensing performance of TiO ₂ thick films	International Journal of Enhanced Research in Science Technology & Engineering	Vol. 3 Issue 12, December-2014, pp: (86-92)	2168-1996	International
5	Synthesis of Nano TiO ₂ using Hydrothermal method for Gas sensing application	International Journal of Chemical and Physical Science	Vol.7 Special Issue, March 2018, 590-596	2319-6602	International
6	Synthesis of TiO ₂ using Hydrothermal method and Studies of Optical Performance of Dye synthesized Solar cell using different Natural dyes.	International Journal of All Research Education and Scientific Method	Vol 9 Issue 3 March 2021, 114-119	2455-6211	International
7	Hydrothermal Synthesis of TiO ₂ Nanorods using TiCl ₃ and Its Gas Sensing Properties	International Journal of Enhanced Research in Science Technology & Engineering	Vol. 3 Issue 11, November-2014, pp: (123-130)	2319-7463	International
8	TiO ₂ Nanorods Based Highly Sensitive Liquefied Petroleum Gas Sensor	Journal of Advanced Physics	Vol. 5, pp.	2168-1996	International

Editor :

- 1) Editor of Souvenir: A Two Day National conference on “Nanomaterial Avenue 2015 ”
- 2) International Reviewer of: International Journal of Chemical and Physical Sciences.
- 3) Editor of Book :- Physics of Nanomaterials

Book Published: 06 (Text book of T. Y. B.Sc.)

- 1) Mathematical Physics
- 2) Electrodynamics
- 3) Atomic and Molecular Physics
- 4) Classical Mechanics
- 5) Element of Material Science
- 6) Computational Physics

Book Published: 02 (M.Sc., YCMOU)

- 1) Physics of Thin Films
- 2) Physics of Nanomaterials

Book Published (Marathi Poem Book, with Audio-visual DVD)

- 1) Mati, Mehendi aani Barach Kahi.....

Academic achievements

Workshop/ seminar/conferences

Name	Type	Status Type	Duration	Funding
International conference on Nanoscience and Nanotechnology-2013 (ICNN-2013)	Conference	International	18/11/2013	UGC
Three Day National Conference on “Nanomaterials Avenue”	Conference	National	21/10/2013	SPPU
State level conference on Nanotechnology	Conference	State	21/03/2014	SPPU
One day workshop on credit system under cluster programme	Workshop	State	06/07/2013	SPPU
State level seminar Nanotechnology and human health	Seminar	State	16/01/2015	SPPU
National level seminar on Archetypes of Innovations for	Seminar	National	07/08/2015	NAAC

Student Centric Learning				
One day seminar on Nanomaterials Characterization Techniques and Applications	Seminar	State	11/03/2016	SPPU
National Conference on Nanomaterials Imperaitives in New Millennium (NINM-2016)	Conference	National	16/10/2016	SPPU
Two day state level workshop on design and development of institutional representative using D-Space	Workshop	State	03/12/2016	SPPU
International Conference on Advances In Functional Materials	Conference	International	12/01/2018	SPPU
Three Day State Level Workshop On Revised Accreditation Framework of NAAC	Workshop	State	27/04/2018	BAMU
35th Orientation Program	Orientation	National	01/02/2018	UGC
TLC program	Short term Course	State	08/10/2018	MHRD
Science Academies Refresher Course in Basic Science on Solid State Physics and Quantum Mechanics	Refresher Course	State	27/11/2018	Indian Academies
Effective way to develop e-contants for teaching learning	FDP	National	21/05/2020	UGC
Online workshop on research writing and legal aspects acadmic research	Workshop	National	12/06/2020	UGC
One day workshop on S.Y.B.Sc.(Physics) Syllabus Revision	Workshop	State	18/01/2020	SPPU
Interest Exploration meeting for respond	Workshop	State	11/07/2019	ISRO
Desgin and Developming MOOC's	Workshop	National	20/08/2019	MHRD
International Conference RTETM-2022	Conference	International	23/02/2022	UGC
Two days Online “National Conference on Advance Trends in Material Science & Applications”	Conference	National	30/08/2021	SPPU
International Conference on Emerging Trends in Materials Science – 2021 (ETMS – 2021)	Conference	International	22/03/2022	UGC

Conference	Seminar	Workshop	FDP	Orientations	Refresher
08 Attended	03 Attended	07 Attended	04	01	02

Papers Presented in conferences: International/National/State level

Sr. No.	Title of Paper	Conference & Place	level	Date/s
1	Gas sensing performance of pure and modified TiO ₂ thick film resistors”.	Homi Bhabha Centenary BRNS-GND University workshop on Molecular/Organic Electronics Devices (MOED-2009), Amritsar,	International	Sept.22-25, 2009(Poster presentation).
2	Hydrothermal synthesis of TiO ₂ nanorods and its gas sensing properties	International conference on Nanoscience and Nanotechnology-2013 (ICNN-2013) Babasaheb Ambedkar University, Lakhnow	International	Nov.18-20, 2013(Poster presentation)
3	Gas sensing performance of pure and modified TiO ₂ thick film resistors	National Seminar on preparation of Nanomaterials and their application (NSPNMA-2010), Organized by Arts, Commerce & Science College, Nandgaon (Nashik)	National	Feb.20-22,2010.(Poster presentation)
4	Hydrothermal synthesis of TiO ₂ and its gas sensing performance	National Conference on “Indian Development in Recent and Ideal Semiconductors for Novel Applications [NC IDRIS-2012]” to be held at A.C.S College, Navapur	National	October 6-7, 2012. (Poster presentation).
5	Hydrothermal synthesis of TiO ₂ nanorods using NaOH and gas sensing performance of TiO ₂ thick film register	Three Day National Conference on “Nanomaterials Avenue” Organized by Department of Physics, K.T.H.M. College, Nasik	National	21st -23rd October, 2013 (Paper presentation)
6	Hydrothermal synthesis of TiO ₂ using Acid treatment and studies	State level seminar Nanotechnology and	State	16-17 Jan. 2015. (Paper

	of TiO ₂ thick films for gas sensing application	human health, organized by K.P.G. Arts. Commerce and science college, Igatpuri, Nashik.		presentation)
7	Hydrothermal synthesis of TiO ₂ using TiCl ₃ and gas sensing performance of TiO ₂ thick film resistors	State level conference on Nanotechnology organized by A.C.S. College, Ozar (mig), Nashik	State	21-22 March 2014. (Paper presentation)
8	Hydrothermal Synthesis of TiO ₂ and Use in Dye Synthesized Solar Cell.	National Conference on "Nanomaterials Imperatives in the New Millennium(NINM-2016)	National	16-17 Oct.2016
9	Synthesis of TiO ₂ using Hydrothermal method and Studies of Optical Performance of Dye synthesized Solar cell using different Natural dyes.	International Conference on Emerging trends in material Science	International	22-23 March 2021

E-content Developed

Sr.No.	Subject	Number of Video
1	Computational Physics	50
2	Nuclear Physics	40
3	Physics of Nanomaterials	10

College Committees

IQAC:- Coordinator of Criterion-V

Dr. G.J.Mogal
Head, Department of Physics

Assistant Professor
M.Sc.,M. Phil, Ph.D.