

Curriculum Vitae

Name : Wagh Amruta Manikrao

Qualification- M.Sc. Physics, SET, Ph.D pursuing

Birth Date : 03rd August, 1989

Permanent Address: Avishkar Society, Umberkhed Road,

Pimpalgaon Baswant, Tal- Niphad, Dist- Nasik

Pin code – 422209

Languages Proficiency: English, Hindi, Marathi

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Educational Qualification

Degree	School/College Name	University/ Board	Year	Percentage
SET Physics	-	Savitribai Phule Pune University	2016	-
M.Sc. Physics	HPT Arts & RYK Science College, Nashik	Savitribai Phule Pune University	2012	81.80
B.Sc. Physics	K.K.Wagh College, Pimpalgaon B.	Savitribai Phule Pune University	2010	91.15
H.S.C.	K.K.Wagh College, Pimpalgaon B.	Pune	2007	73.67
S.S.C.	JanataVidyalaya, Vadner B.	Pune	2005	82.80

Teaching Experience

UG: 11 years

PG: 7 years

Area of Interest- Mathematical Physics, Electronics, Quantum Mechanics, Material Science

Name of the College:

1. MVP Samaj's K.K.Wagh Arts, Science & Commerce College,

Pimpalgaon Baswant, Tal- Niphad, Dist- Nasik

Duration: 13th August 2012 to 18/06/2023

2. MVP Samaj's S.V.K.T. Arts, Science & Commerce College,

Deolali Camp, Lam road, Nashik

Duration: 18/06/2023 to till date

Subject Taught

Mathematical Methods in Physics - I & II, Quantum Mechanics, Waves & Sound, Heat & Thermodynamics, Atomic & Molecular Physics, Energy Studies, Nuclear Physics, Experimental Physics

Seminars, Conferences, Symposia and Workshops attended

Sr. No.	Name of seminar / workshop	Place	Date	Duration
01	University Level Workshop on Revision of Syllabus for B.Sc. (Physics)	K.K.W. College Pimpalgaon (B)	26/12/2012	One Day
02	Paradigms of Innovations for Student-Centric Higher Education	K.K.W. College Pimpalgaon (B)	23 & 24/04/ 2013	Two Days
03	Optical activity & stereo chemistry	K.K.W. College Pimpalgaon (B)	19 & 20/01/2016	Two Days
04	Recent Trends In Image Processing	K.K.W. College Pimpalgaon (B)	21 & 22/01/2016	Two Days
05	Mathematical Tools for the Development of Physical Sciences held at	Arts, Comm. & Science College, Nandgaon	14 & 15/10/ 2016	Two Days
06	Advanced Methods for Material Characterization	BJ Arts, Comm. & Science College, Ale, Tal – Junnar	05 & 06/01/2018	Two Days
07	University level One day Workshop on S.Y.B.Sc. (Physics) Syllabus Revision.	K.T.H.M. College, Nashik	18/01/2020	One Day
08	University level One day	Sandip	08/02/2020	One Day

	Workshop on nanomaterial's	University, Nashik		
09	National conference on Synthesis, Characterization of Promising nanomaterials- paper Presentation	KVN Naik Arts, Science & Commerce College, Nashik	14 & 15/02/2020	Two Days
10	International Conference on Emerging Trends in Material Science-2021, Paper Presentation	Maharashtra College, Mumbai	22 & 23/03/2021	Two Days
11	Restructuring Syllabus of T.Y.B.Sc. Physics (CBCS pattern)	Annasaheb Magar College, Hadapsar, Pune	04 & 05/06/2021	Two Days
12	International Webinar on Nanomaterials for Energy Generation & Smart Storage	Miraj College, Miraj	24/06/2021	One Day
13	National Conference on Advance Trends in Material Science & Applications-Paper Presentation	KTHM College, Nashik	30 & 31/08/2021	Two Days
14	National level Seminar on New Education Policy & Role of IQAC in Quality Enhancement	K.K.Wagh College, Pimpalgaon B.	07 & 08/10/2022	Two Days

Academic Training

- MS-DEED Level 1 Workshop: A faculty development programme for up-skilling & capacity building of UG-PG Teachers of Mharashtra from 24 to 26 July 2023
- Two week Refresher Course in Physics, TLC Ramanujan College, Delhi, 27 February- 13 March 2023
- Two-week interdisciplinary Refresher course on Research Methodology, TLC Ramanujan College, Delhi, 20 February - 6 March, 2022
- HRDC Ramanujan College, University of Delhi- Managing Online Classes & CO-creating Moocs, FDP
- HRDC Pune & Sangamner College- Nanomaterial's Characterization Techniques & Result Analysis Methodology, FDP
- SRT Marathwada University Nanded- ICT Tools for Effective Teaching Learning, FDP
- SGT University Delhi, Emerging Trends in Applied Physics, FDP

Research Publications- PhD Registration at SPPU Pune

- A. M. Wagh, N U. Patil “Synthesis, Characterization and Antibacterial Applications of ZnO Thin Films” ,International Journal for Modern Trends in Science and Technology Volume -7 issue -2, February 2021
- B. K. Aher, A. M Wagh, N.U. Patil, “Hydrothermal Synthesis of ZnO-SnO₂nano composite and its Gas sensing properties”, International Journal of All Research Education and Scientific Methods issue -3 March 2021, 110-117
- A. M. Wagh, N. U. Patil, Hydrothermal Synthesis of ZnO Nanoparticles and Study of its Antibacterial and Anti fungal activities, National Conference, KTHM College, Nashik, August 2021

Books- YCMOU SLM Book & Lab Book for M.Sc. Physics Course Energy Studies

Extra and co-curricular activity

- **Design of Curriculum**

Actively participated in the revision of syllabi of F.Y.B.Sc. during the year 2012-13 (Pimpalgaon B. 26th Dec 2012)

Actively participated in the revision of syllabi of S.Y.B.Sc.during the year 2019-20 (KTHM College, Nashik. 18th Jan 2020)

- **Co-curricular Activities**

Worked as an examiner at F.Y/S.Y./T.Y.B.Sc. & M.Sc. at Practical and theory examinations.

Worked as paper setter for M.Sc. theory papers

Attended SPPU Pune CAP as examiner

Amruta M. Wagh