



## Biopic - Shobha Ajeet Waghmode

### Professor & Head

Department of Chemistry

MES Abasaheb Garware College

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**h-index= 21 (Google Scholar)**

**API score = 1700**

- **Area of Research Interest:** Coreshell Nanomaterials, Graphene, MOF, CO<sub>2</sub> capture & conversion, Metalloenzymes & Nanozymes, Waste management through microplastic recycling & product development, Nanofertilizers-Nanopesticides.
- Shobha A. Waghmode has done M.Sc. degree in Chemistry in 1994, **SET** in 1995 and **PhD** in 2000 with Inorganic Chemistry from Department of Chemistry SPPU, Pune. Presently working as **Professor (2021) & Head (2020)** in MES Abasaheb Garware College, Pune.
- **30 years 3 months of teaching** experience at senior college.
- Recipient of **Best Professor in College**, Pune from Star education awards 2023, **BEST INNOVATOR** Award at IMPACT Conclave 2.0 at SPPU October 2022. **BEST Teacher** Award from SPPU **2019** & DYPatil University **2016**, Summer research fellowship at IIT Powai (**2015**) from **Indian Academy of Sciences, Bangalore. Young scientist award (1995)** Best oral presentation, Best poster presentation award in conference.
- **67 Research publications** in National and International journals,
- **26 patents**, 06 granted. Three startups with AGC Alumni
- **98-Oral & poster presentation & participation** in National and International conference,
- **03 books & 06 book chapters.**
- **17-Hands on workshops, 15-webinar participation.**
- 50 + programs successfully organized as a **coordinator** with **two International conferences (IACS-2021 & June-2020) and one National SNCIR- 2024.**
- **Eight** - major & minor **research projects** as a **Principal Investigator** from funding agencies like ISRO, DBT, UGC, BCUD, RGSTC & PPP Industry etc. with grants around **fifty lakhs** – **MARS Mission project** since 2013- with VSSC @ ISRO.
- **Reviewer** of many International & National journals of Elsevier, Bentham, RSC, Wiley.

- **Life member** of **six different** Research & academic societies.
- **Five** PhD students received degree and **eight** students are working currently.
- **125** students have done **MSc projects** under her guidance from different subjects and 13 students are currently pursuing MSc project.
- Delivered **30 Invited talks** in Refresher course, workshops, conference, webinars and symposia and worked as a jury for many science projects.
- e-Content for MSc -YouTube Channel.
- [https://www.youtube.com/channel/UC\\_UMghtkraOawJLe6hK46lg/videos-](https://www.youtube.com/channel/UC_UMghtkraOawJLe6hK46lg/videos-)
- She has **initiated** academic activities like **Saturday meet** with Alumni, Societal awareness programs as well as Outreach activities with schools, Open Chemistry Lab, **20** commercial Healthcare products, Nano Foundry, all kind of Soap making through Shobha's Soapery and **two** pitch decks.
- Official Consultant for Healthcare industries like NANOsion Healthcare solutions & few other. She is Vice President of National Innovation & Startup Policy of MES AGC and Incharge of Research Advisory committee & Industry Academia Interface committee.
- Collaboration & **MoU** with different industries like Syngenta biosciences Goa, Chemicea, Agrown, Authentic green Pvt. ltd etc. and with International Institution and National institutions.
- Designed **13** different **PAID certificate courses** and now these certificate courses are running successfully since 2019,  
Summer internship in Nanotechnology (SIN) for UG & PG,  
Scientific writing and Science Communication (SWSC),  
Intellectual Property Rights (IPR-I),  
NEP course- Nanoscience in **Marathi** for GE/OE for Arts faculty -**अतिसूक्ष्मतंत्रज्ञान**.
- Coordinator and Initiator -**MSc program -Nanoscience & Nanotechnology 2023-24.**

#### **Near Future courses:**

BSc Nanoscience & Nanotechnology

Diploma on Regulatory affairs

Diploma on Complete battery course

Diploma on Isolation and synthesis of flavors and fragrances,

Basic and advance soap making,

- Additional skills & qualification: Yoga wellness trainer certification from Ayush Mantralaya, Government of India.

**Vision Statement: Inclusive Innovation for sustainable development of Mankind**

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