

Faculty Profile
Applied Science Department



Dr. Arundhati S. Warke

Professor, Dy. Director Academics, Ph.D., M.Sc., B.Sc.

Email: dydirectoracademics@sitpune.edu.in

Research Interests & Expertise:

Broad areas:

- Mathematical Modeling of fluid flow and partial differential equations.

Specific areas:

- Mathematical modeling of fluid flow
- Mass and heat transfer
- Contaminant transport in groundwater and partial differential equations.

Research Profiles:

[Google Scholar](#)

[ORCID](#)

[Researcher ID](#)

[Vidwan](#)

Total work Experience : 39 years

Paper Published : 52

Patent Published : 0

Consultancy Project : 0



Dr. Meena S. Laad

Professor, HOD, Applied Science
Ph.D., M.Phil., MBA, M.SC., B.Sc.

Email: headappliedscience@sitpune.edu.in & meena@sitpune.edu.in

Research Interests & Expertise:

Broad areas:

- Material Science
- Energy Materials
- Sustainable Materials
- Nanocomposites
- Nanolubricants

Specific areas:

- Composite Materials (Synthesis & Characterization)
- Biochar Technology and Material Synthesis through Green Route
- Polymer Composite materials for Energy Storage applications

Research Profiles:

[Google Scholar](#)

[ORCID](#)

[Researcher ID](#)

[Vidwan](#)

Total work experience : 27 years

Paper Published : 55

Patent Published : 2

Consultancy Project : 9



Dr. Dipika Jaspal

Professor, Applied Science

Ph.D., M.Sc. B.Sc.

Email : dipikaj@sitpune.edu.in

Research Interests & Expertise:

Broad areas:

- Environmental Chemistry

Specific areas:

- Wastewater Treatment
- Development of materials for water treatment
- Amalgamation of techniques for water remediation
- polymer Chemistry

Research Profiles:

[Google Scholar](#)

[ORCID](#)

[Researcher ID](#)

[Vidwan](#)

Total work experience : 19 years

Paper Published : 60

Patent Published : 6

Consultancy Project : 0



Dr. Brajesh V. Pandey

Associate Professor, Applied Science

Ph.D., Int. M.Sc.(Physics).

Email: brajesh.pandey@sitpune.edu.in

Research Interests & Expertise:

Broad areas:

- Experimental Condensed Matter Physics

Specific areas:

- Magnetism in thin films
- Nonmaterial
- Nano-size Metal and Metal Oxides

Research Profiles:

[Google Scholar](#)

[ORCID](#)

[ResearcherID](#)

[Vidwan](#)

Total work experience : 15 years

Paper Published : 47

Patent Published : 1

Consultancy Project : 3



Dr. Neeru Bhagat

Associate Professor, Applied Science

Ph.D., M.Sc., B.Sc.

Email: neeru.bhagat@sitpune.edu.in

Research Interests & Expertise:

Broad areas:

- Condensed Matter Physics
(Material Science)

Specific areas:

- Synthesis and characterization of Metal-metal oxide nanoparticles for various applications
- Magnetic Nanomaterials
- Heusler alloys for shape memory and energy applications and as topological insulators.

Research Profiles:

[Google Scholar](#)

[ORCID](#)

[Researcher ID](#)

[Vidwan](#)

Total work experience : 23 years

Paper Published : 27

Patent Published : 1

Consultancy Project : 4



Dr. Nilisha P. Itankar

Assistant Professor, Applied Science

Ph.D., M.Sc. B.Sc.

Email: nilishai@sitpune.edu.in

Research Interests & Expertise:

Broad areas:

- Chemistry & Environmental sciences

Specific areas:

- Bio sorption and Bioremediation

Research Profiles:

[Google Scholar](#)

[ORCID](#)

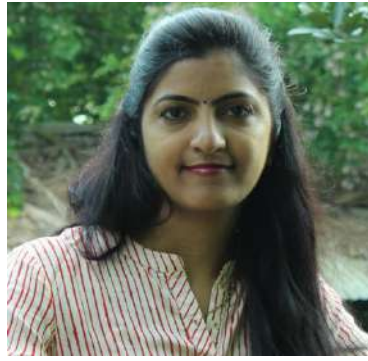
[Vidwan](#)

Total work experience : 19 years

Paper Published : 10

Patent Published : 5

Consultancy Project : 0



Prof. Shilpa D. Malge

Assistant Professor, Applied Science

Email: shilpam@sitpune.edu.in

Research Interests & Expertise:

Broad areas:

- Numerical Methods

Specific areas:

- Solving Singularly perturbed delay differential equations by spine techniques.

Research Profiles:

[Google Scholar](#)

[ORCID](#)

[Researcher ID](#)

[Vidwan](#)

Total work experience : 17 years

Paper Published : 4

Patent Published : 0

Consultancy Project : 0



Dr. Rupali Nagar

Assistant Professor, Applied Science
Ph.D., M.Sc. (Physics), B.Sc. (Physics Hons.)
Email: rupali.nagar@sitpune.edu.in

Research Interests & Expertise:

Broad areas:

- Alternate Energy
- Materials
- Sensors
- Ion irradiation

Specific areas:

- Nanomaterials synthesis
- Fractal growth and applications
- Photoresponse of materials

Research Profiles:

[Google Scholar](#)

[ORCID](#)

[Researcher ID](#)

[Vidwan](#)

Total work experience : 13.5 years

Paper Published : 28

Patent Published : 2

Consultancy Project : 0



Dr. B.S. Veena

Assistant Professor, Applied Science

Ph.D., M.Phil., M.Sc., B.Sc.

Email: veena@sitpune.edu.in

Research Interests & Expertise:

Broad areas:

- Applied Mathematics

Specific areas:

- Mathematical modeling
- Fluid /Bio-fluid dynamics
- Mathematical biology

Research Profiles:

[Google Scholar](#)

[ORCID](#)

[Researcher ID](#)

[Vidwan](#)

Total work experience : 11 years

Paper Published : 9

Patent Published : 0

Consultancy Project : 0



Dr. Neha Divekar

Assistant Professor, Applied Science

Ph.D., M.A., B.A.

Email: neha.divekar@sitpune.edu.in

Research Interests & Expertise:

Broad areas:

- Leadership and Management
- Teaching
- Corporate Training
- Communication Skills
- Personality Development and Grooming

Specific areas:

- Business Communication Training
- Training, Business English
- Soft Skills & Multi-disciplinary

Research Profiles:

[Google Scholar](#)

[ORCID](#)

[ResearcherID](#)

[Vidwan](#)

Total work experience : 15 years

Paper Published : 9

Patent Published : 0

Consultancy Project : AICTE SPICES Project 2022-23



Dr. Shekhar D. Bhame

Assistant Professor, Applied Science

Ph.D., M.Sc., B.Sc.

Email: shekhar.bhame@sitpune.edu.in

Research Interests & Expertise:

Broad areas:

- Chemistry of Materials
- Nonomaterials
- Magnetism

Specific areas:

- Photocatalysis
- Smart Materials
- Nano Synthesis

Research Profiles:

[Google Scholar](#)

[ORCID](#)

[Researcher ID](#)

[Vidwan](#)

Total work experience : 20 years

Paper Published : 37

Patent Published : 0

Consultancy Project : 2



Dr. Ram Kishun Lodhi

Assistant Professor, Applied Science

Ph.D., M.Sc., B.Ed., B.Sc.

Email: ramkishun.lodhi@sitpune.edu.in

Research Interests & Expertise:

Broad areas:

- Numerical Analysis

Specific areas:

- Singular perturbation boundary value problems, finite difference Method, Spline Methods

Research Profiles:

[Google Scholar](#)

[ORCID](#)

[Researcher ID](#)

[Vidwan](#)

Total work experience : 7.8 years

Paper Published : 16

Patent Published : 0

Consultancy Project : 0



Dr. Smita G. Waghlikar

Assistant Professor, Applied Science
Post Doc., Ph.D., SET, M.Sc., B.Sc.
Email: smita.waghlikar@sitpune.edu.in

Research Interests & Expertise:

Broad areas:

- Catalysis
- Green chemistry
- Material science
- Organic and inorganic chemistry

Specific areas:

- Catalysis

Research Profiles:

[Google Scholar](#)

[ORCID](#)

[Vidwan](#)

Total work experience : 24.5 years

Paper Published : 17

Patent Published : 0

Consultancy Project : 0



Dr. Chhaya K. Lande

Assistant Professor, Applied Science

Ph.D., M.Sc., B.Sc.

Email: chhaya.lande@sitpune.edu.in

Research Interests & Expertise:

Broad areas:

- Hydrology-Ground water surface water interaction

Specific areas:

- Differential equations and numerical methods

Research Profiles:

[Google Scholar](#)

[ORCID](#)

[ResearcherID](#)

[Vidwan](#)

Total work experience : 26 years

Paper Published : 8

Patent Published : 0

Consultancy Project : 0



Dr. Niva Devi Sarma

Assistant Professor, Applied Science

Ph.D., M.A., B.Ed., B.A.

Email: niva.devi@sitpune.edu.in

Research Interests & Expertise:

Broad areas:

- Teaching Techniques and innovations

Specific areas:

- English Language

Total work experience : 19 years

Paper Published : 0

Patent Published : 0

Consultancy Project : 0



Dr. Amit Kumar

Assistant Professor, Applied Science

Ph.D., M.Phil., M.Sc., B.Ed., B.Sc.

Email: amit.kumar@sitpune.edu.in

Research Interests & Expertise:

Broad areas:

- Reliability Theory

Specific areas:

- Performance Analysis
- Reliability Indicators
- Sensitivity Analysis

Research Profiles:

[Google Scholar](#)

[ORCID](#)

[Researcher ID](#)

[Vidwan](#)

Total work experience : 9 years

Paper Published : 35

Patent Published : 0

Consultancy Project : 0



Dr. Javid Gani Dar

Assistant Professor, Applied Science

Ph.D., M.Phil., M.Sc., B.Ed., B.Sc.

Email: javid.dar@sitpune.edu.in

Research Interests & Expertise:

Broad areas:

- Probability and Statistics
- Applied Mathematics

Specific areas:

- Statistical information theory
- Weighted distribution
- Order statistics

Research Profiles:

[Google Scholar](#)

[ORCID](#)

[Researcher ID](#)

[Vidwan](#)

Total work experience : 12 years

Paper Published : 35

Patent Published : 0

Consultancy Project : 0



Dr. Swagata Ghosh

Assistant Professor, Applied Science

Ph.D., M.Phil., M.A., B.A.

Email: swagata.ghosh@sitpune.edu.in

Research Interests & Expertise:

Broad areas:

- Feminism
- ELT
- Indian Literature

Specific areas:

- Theories of Feminism
- Literature in Translation
- LSRW Skills

Research Profiles:

[ORCID](#)

Total work experience : 18 years

Paper Published : 3

Patent Published : 0

Consultancy Project : 0



Dr. Shahid Ahmed Wani

Assistant Professor, Applied Science

Ph.D., M.Sc., B.Sc.

Email: shahid.wani@sitpune.edu.in

Research Interests & Expertise:

Broad areas:

- Special Functions
- Approximation Theory

Specific areas:

- Fractional operators
- Q-calculus
- Differential equations

Research Profiles:

[Google Scholar](#)

[Vidwan](#)

Total work experience : 5 years

Paper Published : 40

Patent Published : 0

Consultancy Project : 0



Dr. Pratiksha

Assistant Professor, Applied Science
Ph.D., NET, M.Phil., M.Sc., B.Ed., B.Sc.
Email: pratiksha.bhavsar@sitpune.edu.in

Research Interests & Expertise:

Broad areas:

- Fractional Differential Equations

Specific areas:

- Solution of differential equations

Research Profiles:

[Google Scholar](#)

[ORCID](#)

[Researcher ID](#)

[Vidwan](#)

Total work experience : 11 years

Paper Published : 5

Patent Published : 0

Consultancy Project : 0
