

# MEENAKSHI SURESH, Ph.D.

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## Present position

- Associate Professor Department of Chemistry, Fergusson College (Autonomous), Pune.

## Contact Details



020-67656194



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## Work Experience

- Teaching: 25 years
- Research: 15years

## Personal Profile

- A teacher with sincere urge to kindle inquisitiveness and make comprehensive learning as an enjoyable experience for students to cherish for lifetime.
- Have taught Biochemistry to undergraduate, postgraduate science students and to allied medical science courses.
- Have received Global Best teacher award 2022.
- Recognized as PG teacher and research guide for M.Phil and Ph.D programmes of SPPU.
- Completed three minor research projects.
- Participated in syllabus restructuring workshop at the college and at university level.
- Coordinated extra credit courses activities of Social Outreach and enabling center and Health and Nutrition course of the College
- Dedicated practitioner and facilitator of yoga and meditation

## Courses Taught

1. Biochemistry I
2. Biochemistry II
3. Chemistry Practical
4. Chemistry Practical II
5. Biomolecules
6. Metabolism

## Field of Specialization/Areas of Interests

- Biochemistry(Proteins, Enzymes purification and Characterization)
- Science of Yoga, Pranayam and Meditation
- Clinical Nutrition

## Education

- **Ph.D. Biochemistry 2005-2011**
    - Title of the Thesis: Alpha amylase from *Bacillus Sp.* NCIM5250: Isolation and biochemical characterisation
    - Savitribai Phule Pune University, Pune
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- **M.Phil Biochemistry 1993**
  - University of Madras, Madras
- **Master of Science (Biochemistry): 1990-1992**
  - Annamalai University, Chidambaram, Tamil Nadu
- **Bachelor of Science- (Chemistry): 1987-1990**
  - Vaishnav College for women, University of Madras
- **SSC (Senior school certificate examination), 1987**
  - Modern Senior Secondary school, Madras, CBSE board
- **SSC(Secondary school certificate examination): 1985**
  - Modern Senior Secondary school, Madras, CBSE board

### **Fellowship/Awards/ Certifications/Achievements/Recognitions**

1. Gold Medalist in University for being topper in M.Sc Biochemistry 1992
2. Global Best Teacher Award 2022
3. SET Qualified in 2002
4. PG recognized teacher till superannuation
5. M.phil and Ph.D guide from 2020 to 2028

### **Member of College Committees/ Professional Bodies and Others**

#### **College Level**

- BOS Member
- Anti Ragging Committee member
- Coordinator Health and Nutrition course
- Mentoring committee member
- Feedback Analysis committee member
- Departmental magazine report committee member

### **Employment History**

1) **Organization:** Aurora's Degree College, Hyderabad

**Role** : Lecturer

**Duration** : 1994-2001

<b>Responsibilities</b>	<ul style="list-style-type: none"> <li>• Head of Biochemistry division, Teaching Biochemistry to B.Sc students</li> </ul>
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2) **Organization** : Allana's College of Pharmacy, Pune

**Role** : Lecturer

**Duration** : 2001- 2003

<b>Responsibilities</b>	<ul style="list-style-type: none"> <li>• Teaching Biochemistry to Pharmacy students</li> </ul>
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3) **Organization** : Rai University, Pune

**Role** : Associate Professor

**Duration** : 2003-2005-

<b>Responsibilities</b>	<ul style="list-style-type: none"> <li>• Teaching Biochemistry to B.Tech Biotechnology students</li> </ul>
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4) **Organization** : Fergusson College(Autonomous), Pune

**Role** : Associate Professor

**Duration** : 2005 till date

<b>Responsibilities</b>	<ul style="list-style-type: none"><li>Teaching Biochemistry to B.Sc , M.Sc students</li></ul>
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### Research Projects

Title of the Project	Name of Funding Agency	Amount(Rs)	Duration (Year) (From To)	Type (Minor/Major)	Outcome
1.Isolation and Biochemical characterization of Industrial enzymes from soil bacteria	UGC	Rs. 65000	2007-2009	Minor	Paper Published
2. Screening, isolation and biochemical characterization of enzymes of industrial importance from Jackfruit seeds.	BCUD	Rs.100,000	2009-2011	Minor	Paper presented in AVISHKAR Poster
3.Effects of Sudarshan Kriya and Mudrapranayam on Human body	UGC	Rs. 4,15000	2014-2016	Minor	presented in National conference
4.Effect of Hustle culture and stress on the quality of sleep.	Seed money DESociety	Rs.35000	2022	Minor	Paper Published Ongoing

### Research Publications in National and International Journals

1. **C.Meenakshi,** Biochemical studies on effect of S-1,3-Butenediol of diabetes induced rats. Ind. J.Physiol. Pharmacol.1995 Vol 39 (2), pg 145-148.
2. **MeenakshiC\*.** Detection of alpha amylase producing bacteria (*Bacillus* sp. 5250) from soil; isolation and optimization of various conditions of growth. Res. J. Biotechnol. 2009,Vol 4 (1), pg. 50-56.
3. **Meenakshi Chandramouli\*,.** Purification and biochemical characterization of alpha amylase from *Bacillus* species (NCIM 5250). Res. J. Biotechnol; 2009, Vol 4 (4), pg. 70-75.
4. **Meenakshi Suresh\*,.**Microbiological characterization of *Bacillus species* NCIM 5250 and structural studies of extracellular alpha amylase obtained from the culture filtrate of the bacteria,./0285/148 International Journal of advances in management, technology and engineering sciences, 2013; Vol II (5) pg. 108-114.
5. **Meenakshi Suresh\*,.**Biochemical studies on the combined effects of Sudarshankriya and mudra pranayam on human body: A preliminary investigation The Pharma Innovation Journal,. 2018;7 (1), 156-159

## Participation in Conferences/Seminars/Symposia/Workshop:

- **Dr. Meenakshi Suresh**, Online Faculty development Program on “Safer and Greener chemistry labs”- organized by Delhi University between 19<sup>th</sup> to 25<sup>th</sup> July 2022
- **Dr. Meenakshi Suresh**, invited as a resource person for one day workshop in DES College of Nursing to conduct Art of Living activities for undergraduate, postgraduate students and staff on 15<sup>th</sup> March 2022.
- **Dr. Meenakshi Suresh**, participated and presented a paper titled “Biochemical findings on antiviral effects of Immunity boosting herbal therapeutic supplements along with practice of sudarshan kriya in prevention and effective management of COVID-19” in the International conference on Recent trends in Yoga, Nutrition and Fitness Management” organized by MES’s Abasaheb Garware College, Pune between 21<sup>st</sup> - 22<sup>nd</sup> September 2021.
- **Dr. Meenakshi Suresh**, invited as a resource person for one day workshop on undergraduate Syllabi of Chemistry CBCS 2019 pattern of SPPU organized by Prof. Ramakrushna More College of ASC, Akurdi, Pune on 30<sup>th</sup> August 2021.
- **Dr. Meenakshi Suresh**, attended Faculty development programme on “Health Issues in Teaching profession- Fitness Mantra (Chemistry)” conducted at the physical education department of SPPU between 27<sup>th</sup> February 2020 to 7<sup>th</sup> March 2020
- **Dr. Meenakshi Suresh** attended Faculty development programme on Soft Skills for teachers (Chemistry) in SPPU between 19<sup>th</sup> to 25<sup>th</sup> December 2018
- **Dr. Meenakshi Suresh**, Poster Presentation on “Biochemical studies on the combined effects of Sudarshan Kriya and Mudrapranayam on Human body” at National conference on Chemical sciences: an interdisciplinary approach organised Modern college of Arts , Science and Commerce Ganeshkhind Pune on 18<sup>th</sup> -20<sup>th</sup> Jan 2018
- **Dr. Meenakshi Suresh**, “Characterisation of Purified Alpha amylase from Bacillus species n NCIM5250 isolated from soil” Advances in Chemical Sciences with reference to Molecular Spectroscopy, Material Sciences and Organic Electronics (NCACS-2014) 2014 organised by Department of Chemistry Fergusson College, Pune on 19<sup>th</sup>-20<sup>th</sup> December
- **Dr. Meenakshi Suresh** Oral Presentation on “Microbial characterisation of Bacillus species NCIM 5250 and structural studies of extracellular Alpha amylase obtained from the culture filtrate of the bacteria” at International Interdisciplinary conference on Recent trends in commerce, Management, Engineering, Technology and Social sciences at Choice College Kothrud, Pune 25<sup>th</sup> February 2013
- **Dr. Meenakshi Suresh**, presented on “Biochemical studies and characterisation of industrial enzymes isolated from Jack fruit seeds” at Regional Research Conference INNOVATION-2012 26<sup>th</sup> -27<sup>th</sup> March 2012 organised by BCUD and Bhartiya Jain Sanghathan College Wagholi
- **Dr. Meenakshi Suresh**, presented on “Screening, isolation of enzymes of industrial importance from Jackfruit seeds” Regional Research Conference INNOVATION-2010 at K.T.H.M College, Nashik on 20<sup>th</sup> -21<sup>st</sup> November 2010
- **Dr. Meenakshi Suresh**, attended Special winter school a Indapur college of arts , science and commerce between 6<sup>th</sup> to 28<sup>th</sup> February 2017, Indapur
- **Dr. Meenakshi Suresh**, attended Refresher Course in EVS department at SPPU between 7<sup>th</sup> December 2009 to 27<sup>th</sup> December 2009
- **Dr. Meenakshi Suresh**, attended General Orientation at SPPU, between 3<sup>rd</sup> to 30<sup>th</sup> November 2008

**Events Organized/Coordinated:**

Sr. No	Name of the Event	Name of organizing Institute/ College/University	Nature of contribution	Dates
1	Nutrition for enhancing overall health and wellbeing of staff on via online mode	Fergusson College, (Autonomous), Pune under UGC STRIDE	Coordinator	8 <sup>th</sup> August 2022
2	Nutrition for enhancing academic performance in students on via online mode	Fergusson College, (Autonomous), Pune under UGC STRIDE	Coordinator	10 <sup>th</sup> August 2022
3	Lab Management, Safety & Waste treatment	Fergusson College, (Autonomous), Pune under UGC STRIDE	Coordinator	8 <sup>th</sup> -13 <sup>th</sup> August 2022
4.	Personal Goal setting and Vision board for students	Fergusson College, (Autonomous), Pune under UGC STRIDE	Coordinator	14 <sup>th</sup> Aug 2022
5.	Nava chetana Shibir	Fergusson College, (Autonomous), Pune	Facilitator	4 <sup>th</sup> to 7 <sup>th</sup> July 2022

**Additional skills/Activities**

Facilitator of Yoga, Pranayam and Meditation workshops

I hereby declare that the above information is true to the best of my knowledge.

**Dr. Meenakshi Suresh**