

# Curriculum Vitae

**Name:** Priya Sutaoney

**Designation:** Guest Faculty

Center for Basic Sciences

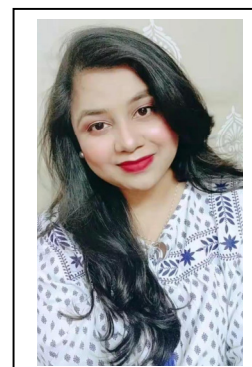
Pt. Ravishankar Shukla University

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## AIM:

Only a good researcher can become a good teacher because he/ she works hard to clarify their concepts when they face challenges during their research tenure, research not only enhances knowledge of an individual but also develops a scientific temperament and helps you to expand your imagination and to think out of the box. My aim is to become a skilled researcher possessing deep knowledge. Joining your institution will not only be a good platform but an opportunity to grow myself as a skilled researcher and to expand my horizons. It will equally make my doctoral degree fruitful and beneficial for nature as well as for mankind.

## ACADEMIC QUALIFICATION:

Course	Institution/University	Board /University	Year of Completion	Aggregate (%)
PhD (Microbiology)	School of studies in Life Science	Pt. Ravishankar Shukla University, Raipur, (C.G)	2020 (Submitted)	
M. Sc (Microbiology)	School of studies in Life Science	Pt. Ravishankar Shukla University, Raipur, (C.G)	2014	79
B. Sc. (Biotechnology, Chemistry, Botany)	St. Thomas College, Bhilai, Chhattisgarh	Pt. Ravishankar Shukla University, Raipur, (C.G)	2012	61

12th Board	Shri Shankaracharya Vidyalaya, Bhilai, Chhattisgarh	Central Board of Secondary Education, Delhi.	2009	71
10 <sup>th</sup> Board	Shri Shankaracharya Vidyalaya, Bhilai, Chhattisgarh	Central Board of Secondary Education, Delhi	2007	72

### Awards/Scholarships

- Qualified **State eligibility Test (SET)** 2017, organized by Chhattisgarh professional examination board , Raipur, Chhattisgarh.
- Awarded with Pt. Ravishankar Shukla University research scholarship
- 2<sup>nd</sup> position in university merit list at post graduation

**PhD Topic:** Isolation and Characterization of Textile Degrading Fungal Cellulases from Handloom Waste.

### LIST OF PUBLICATIONS

1. Sutaoney Priya, Choudhary Rachana and Gupta A.K (2020): Bioprospecting cellulolytic fungi associated with textile waste and invitro optimization of cellulase production by *Aspergillus flavus* NFCCI-4154, *Rasayan Journal of Chemistry*, 13(1), 64-84. ([Scopus Indexed](#))

### BOOK CHAPTER

1. Sutaoney Priya, Choudhary Rachana and Gupta A.K, Microbial cellulases their types, regulation and their potential in degradation of cellulosic fibres and textile materials: A Review, Environmental change and impact on biological systems (pp.165) Lenin media private limited, Delhi, India, (2020) [ISBN: 978-81-942846-5-9]

### KEY SKILLS

- Teaching (high school, BSc, MSc biochemistry, bioscience, microbiology)
- Isolation of fungi and bacteria from soil, skin, textile, water (serial dilution agar plating, pour plate, spread plate and Warcup method)
- Gram staining, acid fast staining, endospore staining of bacteria

- Identification of fungi (slide culture technique, adhesive tape method, cotton blue staining)
- Microscopy (bright field microscope)
- Micrometry
- Fungal characterization
- Fungal taxonomy
- Fungal and bacterial preservation techniques (Agar slant culture technique, lyophilization)
- Colorimetry and Spectrophotometry (FTIR)
- Qualitative screening of enzymes in solid medium (amylases, proteases, cellulases, gelatinase, lipase).
- Quantitative screening for enzymatic activity (cellulase, invertase, amylase).
- Protein estimation (Folin-Lowry method and Bradford method)
- Production and optimization of enzymes (One factor at a time and Response surface methodology)
- Protein purification (Ammonium sulphate precipitation, dialysis, chromatography) and SDS PAGE.
- Immuno diagnosis techniques: Double immuno diffusion, radial immuno diffusion, counter current electrophoresis, immuno electrophoresis, slide gel electrophoresis, dot ELISA (Himedia teaching kit), RPR(syphilis) and Widal (typhoid) test .
- Agarose gel electrophoresis
- Biochemical test for carbohydrates

### **COMPUTER SKILLS**

- Microsoft office automation ( Paint, Word, Power point ,Excel)
- Past statistical software
- Statistical package for social sciences

### **TRAININGS/ SEMINARS/ CONFERENCES ATTENDED**

- National seminar on “Physiology and Molecular Biology of Stress in Plants”, St Thomas College, Bhilai (C.G), India ,19<sup>th</sup> December, 2009.
- Workshop on Molecular Biology (PCR) organized by Himedia Laboratories Pvt. Ltd at St. Thomas college, Bhilai (C.G), India, 21-22 September, 2010.
- Workshop on Molecular Biology (Electrophoresis) organized by Himedia Laboratories Pvt. Ltd at St. Thomas college, Bhilai (C.G), India, 23-24 September, 2010.
- Fifteen days hands on training on “Bioinformatics and Recombinant DNA technology” by Nitza Biological’s organized by St. Thomas College, Bhilai (C.G), India 10- 25 January 2011.
- Workshop on “Application of Technology in Plant Science” organized by P.G. Department of Botany. St. Thomas college, Bhilai (C.G), India, 17-18 November, 2011
- Workshop on “Prospection and Sustainable Use of Medicinal Plants of Chhattisgarh” organized under the auspices of National Center for Natural resources (NCNR), Pt. Ravishankar Shukla University, Raipur (C.G ), India 10-12 September 2012.
- National Conference on “Recent Advances in Biological Sciences”, School of Life Sciences, Pt. Ravishankar Shukla University, Raipur (C.G ), India 25-27 November 2013 .

- Three days workshop with hands-on training on “Diagnosis of Diseases and Molecular Evaluation”, Institute of Pharmacy, Pt. Ravishankar Shukla University 11-13 November, 2014.
- Workshop on Molecular Biology organized by Himedia Laboratories Pvt. Ltd at School of Studies in Life Science, Pt. Ravishankar Shukla University, Raipur (C.G) 08-09 February 2016
- 4<sup>th</sup> National workshop on Taxonomy, Biodiversity, Ex situ conservation and applications of fungi organized by MACS’ Agharkar Research Institute (National Fungal Culture Collection), Pune 01-10 June 2016.

### SCIENTIFIC PRESENTATIONS (TALKS):

**Presenter:** Priya Sutaoney

**Title:** Chemistry in everyday life

**National** Symposium on “Chemistry- Our Life, Our Future, organized by P.G Department of Chemistry, St. Thomas college, Bhilai (C.G), India, 24 September, 2011.

### SCIENTIFIC PRESENTATIONS (POSTER):

- **Presenter:** Priya Sutaoney, Rachana Choudhary, A.K.Gupta

**Title:** Cellulolytic fungi from textile waste dumping site of Raipur

58<sup>th</sup> Annual Conference of Association of Microbiologists of India (AMI), entitled **International** symposium on Microbes for Sustainable Development: Scope and Applications, held on 16-19 November 2017, organized by Babasaheb Bhimrao Ambedkar (A Central) University Lucknow, Uttar Pradesh, India

- **Presenter:** Priya Sutaoney, Rachana Choudhary, A.K.Gupta

**Title:** screening of cellulase producing fungi from textile waste dumping site of Durg and Chhuikhadan

59<sup>th</sup> Annual Conference of Association of Microbiologists of India (AMI), entitled **International** symposium on host-pathogen interactions held on 9<sup>th</sup> -12<sup>th</sup> December 2018, organized by School of life Sciences, University of Hyderabad, Hyderabad, Telangana, India

- **Presenter:** Priya Sutaoney, Rachana Choudhary, A.K.Gupta

**Title:** Optimization of process parameters for enhanced CMCase production by *Aspergillus flavus* (RTM3) NFCCI-4154 isolated from textile waste dumping site of Central India.

Microbiology Annual Conference, UK held on 8<sup>th</sup> -11<sup>th</sup> April 2019, organized by Microbiology society UK at ICC Belfast, Northern Ireland, UK.

## EXTRACURRICULAR ACTIVITIES

- Consolation prize winner in quiz competition, (International year of chemistry-2011), organized by Department of Chemistry, Government V.Y.T.P.G Autonomous College, Durg.(C.G). India
- Third prize winner of poster competition organized by Chattisgarh Rajya Mahila Aayog at Pt. Ravishankar Shukla University Raipur (C.G).
- First prize winner in debate competition and quiz competition on National Science day, 2014 held at School of Studies in Life Science, Pt. Ravishankar Shukla University, Raipur (C.G).
- Second prize winner in power point presentations on Nobel Laureate in the field of biology on National Science day,2014 held at School of Studies in Life Science, Pt. Ravishankar Shukla University, Raipur (C.G).
- Fine Arts (Pencil sketching and oil painting).
- Watching scientific movies, lectures related to life science on you tube.
- Reading Scientific magazines (Science daily) and journals.

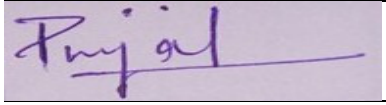
## PERSONAL PROFILE

Date of birth	24 <sup>th</sup> March 1991
Gender	Female
Nationality	Indian
Marital status	Unmarried
Language	Hindi, English

## REFERENCES:

- 1. Dr. A.K Gupta**  
Professor  
School of studies in life Science  
Pt. Ravishankar Shukla University,  
Raipur (C.G)  
Pin code: 492010  
Email id: [akguptarsu@gmail.com](mailto:akguptarsu@gmail.com)  
Phone no: +919826236706
- 2. Dr. Aditi Poddar**  
Professor  
School of studies in Life Science  
Pt. Ravishankar Shukla University,  
Raipur (C.G)  
Pin code: 492010  
Email id: [adinpod@gmail.com](mailto:adinpod@gmail.com)  
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- 3. Dr. Manoj Kumar Patel**  
Assistant Professor  
School of studies in life Science  
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- 4. Dr. Rachana Choudhary**  
Head of the Department  
Shri Shankaracharya College, Junwani ,  
Bhilai (C.G)  
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Phone no: +919770577935

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

A rectangular box containing a handwritten signature in purple ink. The signature appears to be 'Priya' followed by a long horizontal stroke.

**PRIYA SUTAONEY**

**PLACE: RAIPUR**

**DATE: 13/07/2021**