

## Tejaswini Pachpor

Email: [tejaswini.pachpor@gmail.com](mailto:tejaswini.pachpor@gmail.com)

Cell number: 7774075031

D3 503 Rahul Park Warje Pune 411058

Date of Birth: 18/05/1981

### SUMMARY

- Teaching and research professional with a doctorate in Microbiology and 2 years of postdoctoral research experience in USA.
- Educator with 7 years of experience in teaching / designing courses for Bachelor's and Master's degrees, organizing workshops, guest lectures, events such as intercollegiate quizzes, designing vision document etc.

### EDUCATION

<b>PhD</b>	<b>Microbiology</b>	<b>2004 – 2010</b>	Agharkar Research Institute (ARI), University of Pune, Pune	Advisor: Dr. Kishore Paknikar.
<b>M. Sc.</b>	<b>Zoology</b>	<b>2001 – 2003</b>	Department of Zoology, University of Pune	Grade O, GPA 7.5/10
<b>B. Sc.</b>	<b>Microbiology</b>	<b>1998 – 2001</b>	University of Pune	First class, 69%

### TEACHING EXPERIENCE

#### Assistant Professor (Ad Hoc) and Visiting faculty at MES Abasaheb Garware College (June 2016 – till date)

- Conducted theory and practical courses for UG-PG Biotechnology, Biodiversity and Microbiology.
- M.Sc. dissertations guided: 14 (Microbiology 4, Biodiversity 6, Biotechnology 4)
- SPPU approved teacher for microbiology (2017 – present)
- Subcommittee member for SYBSc and TYBSc Industrial Microbiology syllabus (CBCS 2020)

#### Visiting Assistant Professor at Rajiv Gandhi Institute of Information Technology and Biotechnology, Bharati Vidyapeeth, Pune, India (Dec 2014 – Apr 2016)

- Conducted theory and practical courses for UG and PG students of Biotechnology.

#### Guest lectures conducted for MSc Microbiology students Y.M College, FY B.E students MIT College

### RESEARCH EXPERIENCE

<b>Visiting fellow</b> (Sep 2013 - July 2014)	Dr. Munira Basrai, NCI/NIH, Bethesda, Maryland, USA	Project: Study of role of Polokinase Cdc5 in chromosome segregation and kinetochore stability. Investigated role of Kinase Cdc5 in chromosomal stability of yeast <i>Saccharomyces cerevisiae</i> . Carried out Western blots and Chromatin immunoprecipitation, Strain construction by plasmid transformations, and homologous recombination, qPCR, fluorescent microscopy, and FACS
<b>Research Associate</b> (Jan 2012 - Jan 2013)	Dr. Audrey Gasch, University of Wisconsin-Madison, Wisconsin, USA	Project: Screening of Recombinant <i>Saccharomyces cerevisiae</i> strains for bioethanol production by utilizing xylose as carbon source. Screened yeast strains for their ability to utilize xylose sugar as alternative carbon source Analysed microarray data using software

### PROJECTS HANDLED

Role	Title	Funding agency	Amount sanctioned	Duration
CoPI (Nectar analysis using HPLC, Designing of bioassay and nectar formulation, statistical analysis )	Butterfly Attractant For Pollination And Ecosystem Health	Elsevier Foundation Green and Sustainable Chemistry	€25,000	2 years

## FELLOWSHIPS & AWARDS

- Visiting fellow at NCI NIH
- Joint CSIR/UGC National Eligibility Test (LS-NET) (Dec 2002).
- Maharashtra State Eligibility Test (SET) for Lectureship (Feb 2003).
- 

## CERTIFICATIONS

- Certificate course: Scientist teaching Science Pedagogy Course conducted by Office of Intramural Training and Education, NIH (Feb - April 2014)
- The Data Scientist's Toolbox! Online non-credit course authorized by John Hopkins University and offered by Coursera (2021)
- R Programming an online non-credit course authorized by Johns Hopkins University and offered through Coursera (2021)
- Systematic Review and Metanalysis an online non-credit course authorized by Johns Hopkins University and offered through Coursera (2021)
- Improving your statistical inferences an online non-credit course authorized by Eindhoven University of Technology and offered through Coursera (2022)

## PATENTS

Indian Patent Granted for- A process for producing chromium enriched yeast supplement. (No. 358412).

## PUBLICATIONS

- Ankur Arun Patwardhan; Shivani P. Kulkarni; Pratiksha V. Mestry; **Tejaswini A. Pachpor** "Nectar Dynamics and Butterfly Floral Visitors of *Leucas stelligera* Wall. ex Benth. and *Ixora coccinea* L." Manuscript under review Arthropod-Plant Interactions (APIS)
- Vinesh Kamble; **Tejaswini A Pachpor**; Sukeshini B Khandagale; Vipul V Wagh; Satyajeet P Khare "Translation initiation and dysregulation of initiation factors in rare diseases" Manuscript under review Cellular and Molecular Life Sciences (CMLS)
- **Tejaswini Pachpor**, Mrunalini Sonne, Alap Bhatt, Kshitija Parkar, Sneha Shahane, Pratiksha Mestry, Shivani Kulkarni, Hemant Ogale, Ankur Patwardhan, Nectar Sugar Composition, Standing Nectar Crop and Floral Visitor Diversity of Three Endemic Plant Species from Western Ghats Biodiversity Hot-Spot of India *Chemistry & Biodiversity* 2022 May 17 (early publication) <https://doi.org/10.1002/cbdv.202200001>
- Wagh VV, Vyas P, Agrawal S, **Pachpor TA**, Paralikar V, Khare SP. Peripheral Blood-Based Gene Expression Studies in Schizophrenia: A Systematic Review. *Front Genet.* 2021 Oct 13; 12:736483. doi: 10.3389/fgene.2021.736483. PMID: 34721526; PMCID: PMC8548640.
- Prashant K Mishra, Sultan Ciftci-Yilmaz, David Reynolds, Wei-Chun Au, Lars Boeckmann, Lauren E Dittman, Ziad Jowhar, **Tejaswini Pachpor**, Elaine Yeh, Richard E Baker, M Andrew Hoyt, Damien D'Amours, Kerry Bloom, Munira A Basrai. Polo kinase Cdc5 associates with centromeres to facilitate the removal of centromeric cohesion during mitosis. *Mol Biol Cell* (2016). Jul 25;27(14):2286-300.
- Jayant S Goda, **Tejaswini Pachpor**, Trinanjan Basu, Supriya Chopra, Vikram Gota. Targeting the AKT pathway: Repositioning HIV protease inhibitors as radiosensitizers. *Indian J Med Res* (2016). Feb;143(2):145-59.

## INVITED TALKS

- One day workshop on "Research Methodology" Under RUSA organised by Rayat Shikshan Sanstha's Yashwantrao Chavan Institute of Science Satara 30 March 2022
- Workshop for Undergraduate Biology Teachers - "Bringing Transformation in Classrooms by Collaborative Research & Active Learning". jointly organised by MES Abasaheb Garware College, Pune and IndiaBioscience, Bengaluru on 3rd & 4th February, 2017, funded by, Ministry of Human Resource Development (MHRD), Government of India.