

Snehal Gagare

Biotechnologist

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Proactive, Analytical, Optimistic, Vigilant, Responsible

ACHIEVEMENTS

CSIR UGC - NET LS Rank 43

SET

GATE 2009: Percentile 87.73 AIR 1598.

PET Mumbai University

Nominated for the Young Scientist Award at the Indian Science Congress Jan 2015.

ACADEMIC PROFILE

Degree	Institute	Year of Passing	Percentage/Grade
SSC	Auxilium Convent High School, Ahmednagar.	2002	75.86
HSC	New Arts, Commerce & Science College, Ahmednagar.	2004	79.17
BSc Biotechnology (Pune University)	New Arts, Commerce & Science College, Ahmednagar.	2007	73.33
MSc Biotechnology (DR BAMU)	Govt. Institute of Science A'Bad	2009	69.58
Certificate course in German Language (Pune University)	New Arts, Commerce & Science College, Ahmednagar.	2006	B

CAREER SUMMARY

Designation	Institute	Subjects taught	Experience
Assistant Professor	Modern College of Arts Science & Commerce Ganeshkhind, Pune.	Microbial Biotechnology, Molecular Biology, Genetics, Recombinant DNA technology	August 2017 – till date.
Assistant Professor (CHB)	Sinhgad College of Science Vadgoan	Molecular biology, Immunology, Medical Microbiology	August 2016 – May 2017
Assistant Professor (CHB)	Modern College of Arts Science & Commerce Shivajinagar, Pune.	PG: Animal Biotechnology, Stem Cell and regenerative medicines, Molecular biology	July 2015-May 2016
Assistant Professor	Modern College of Arts Science & Commerce Ganeshkhind, Pune.	Microbial Biotechnology Molecular Biology, Cellbiology, LSMP, and Environmental Science.	July 2014-April 2015
Assistant Professor	Elphinstone College Government of Maharashtra Mumbai	Molecular Biology, Cellbiology, Metabolic Pathways and Environmental Science.	July 2012 – April 2014
Assistant Professor	Institute of Forensic Science Government of Maharashtra Mumbai	Basic Forensic Biology, Advanced Forensic Biology Applied Forensic Biology	June 2011 – June 2012
Assistant Chemical Analyser in Forensic Laboratory.	Directorate of Forensic Science Laboratories, Home Department Government of Maharashtra Mumbai	Documentation of the criminal cases Analysing the biological samples and preparing reports for the same Crime scene visits, collection of evidences and reconstruction Delivering lecture to the expertise visiting the laboratory	Feb 2010- Jan 2011

Project trainee at National Centre for Cell Sciences May 2008 – December 2008 Project entitled: "Screening and Molecular characterization of Indigenous foods for Probiotics attributes".

- Evaluator appointed by the University of Mumbai for TY BSc Forensic Science.
- Visiting Faculty for BSc MLT in Sanjeevani Institute of Paramedical Sciences Ahmednagar. (2009-2014)

PUBLICATIONS

1. **Gagare S B** , Jadhav P S, Comparative Phytochemical profiling of various extracts, from different parts of *Sesuvium portulacastrum* using GCMS, FTIR and ICP AES. International Journal of Engineering, Science and Mathematics ,6(6) (2017).
2. **Gagare S**, Jadhav P, Chromatographic separation of phytconstituents from *Sesuvium portulacastrum*. P. Indian J.Research.7(4), 462-464(2018).
3. **Snehal B.Gagare**, Pratima S. Jadhav Phytochemical Evaluation of *Sesuvium portulacastrum* Extracts, Bioinfolet 15(1),2018.
4. **Snehal B.Gagare**, Pratima S. Jadhav, Molecular phylogeny of *Sesuvium portulacastrum* using 18S nuclear ribosomal gene sequence, Global journal for research analysis, 6 (5), (2017).
5. **Gagare S**, Jadhav P, *Hepatoprotective and antibacterial potential of purified active components from Sesuvium portulacastrum extracts*, *Journal Of Chemistry And Chemical Sciences* 8(4), 2018(article in press).
6. **Gagare S**, Chavan S .Effect of microwave treatment on bioactive compounds of *Spinacia oleracea* and *Antheum graveolens*. Journal of Basic Sciences Sept 2015.
7. **Gagare S**, Chavan S .Effect of irradiation on *Rhizobium* :strain improvement by UV irradiation increases yield of *Triticum aestivum* International Journal of biological sciences Flora and Fauna Vol 4 2013
8. Submitted partial 18S rRNA gene sequence of *Sesuvium portulacastrum* to NCBI, accession number KC 146551.

PUBLICATIONS IN CONFERENCES AND SYMPOSIUMS

1. Best Oral presentations award in International Conference on "Impact of chemistry on Environment held at NACS Parner on 16-17 Feb 2016"
2. Selected in top 5 Best Poster at the International Conference on Herbal and synthetic drugs held at Abeda Inamdar College on 6-7th Jan 2016.
3. Received Best Oral presentation award for "Phylogenetic analysis of *Sesuvium portulacastrum* using 18S gene sequence"National Conference in Botany held at NACS Ahmednagar on 5 – 6 June 2013.
4. Project trainee at National Centre for Cell Sciences May 2008 - August 2008 Project entitled: "Screening and Molecular characterization of Indigenous foods for Probiotics attributes".
5. Selected among the top 8 candidates for State Level Inter University Research Festival "Avishkar 2008" Project entitled "Technologies to Curtail Global warming." Hosted by SNDT Mumbai'.
6. Second prize at District level Inter University Research Festival 2007 Project entitled "Biosynthesis of Silver Nanoparticles from fungus *Verticillium*".
7. Presented & published project entitled "Antimicrobial & Antioxidant Properties of *Allium sativum*" at the "National Conference on Modern Innovations in Biotechnology and Biodiversity Conservation 2007 held at Amravati.

EXPERTISE

- Molecular biology & Immunology: Nucleic acid isolation and processing, Transformation & selection of recombinant, PCR, Sequencing techniques, Immunoblotting, Immunoperoxidase, Separation of Peripheral blood mononuclear cells, Karyotyping etc.
- Cell Culture: Sub culturing and Maintenance of Cell Lines
- Protein Biochemistry: Protein isolation and Processing, 2-D gel electrophoresis, Agarose gel electrophoresis, SDS-PAGE, Western blotting.
- MS Office, Basic Bioinformatics and bioinformatics softwares.

CO CURRICULAR ACTIVITIES

- Secured second prize in the still model Presentation in the National Science Day conducted by Government Institute of Science.
- Secured B Grade for Intensive Certificate Course in German Language conducted by Pune University.
- Participated in the Soft Skill Development Programme conducted by University of Pune in 2007.

PERSONAL DETAILS

Correspondence Address : 71/1+2 Madhukunj , Shirke Parivaar Building, Opposite Sairaj Residency,
Krushnanagar, New Sangvi, Pune 411027.

Date of Birth : 30/08/86

Martial Status : Married

Languages Known : English, Marathi, Hindi

Sex : Female

I hereby declare that the above information furnished by me, is true to my knowledge and belief.

Place: Pune

SNEHAL GAGARE