



Faculty Details proforma for Gargi College

Title	Dr	First Name	Shivani	Last Name	Tyagi	Photograph
Designation		Assistant Professor				
Address		Department of Zoology Gargi College University of Delhi				
Phone No Office						
Residence*						
Mobile *		9871358489				
Email		shivanityagi80@gmail.com				
Web-Page						
Educational Qualifications						
Degree		Institution			Year	
B.Sc		D.A.V College			1999	
M.Sc		D.A.V College			2001	
M.Phil		C.C.S University Campus			2003	
Ph.D		Delhi University			2010	
NET JRF, SRF		CSIR			2002	
Career Profile						
<ol style="list-style-type: none"> 1. Attended Faculty Development Program at Kamla Nehru College, University of Delhi entitled, "eCognitio: An Innovative E-learning Workshop Promoting Student Participation and Collaborative Learning" on 23rd May 2016. 2. Attended Faculty Development Program at University of Delhi, CIC- Centre for Science Education and Communication, entitled, Faculty Development Program in Research Project Management Proposal to publication and beyond" on 19th July 2016. 3. Attended 119th Four week Orientation Program at UGC- Human Resource Development Centre, Jamia Millia Islamia from 01.8.17 to 29.8.17. 4. Attended Lecture workshop on Department of Zoology, Gargi College, University of Delhi in association with Science Academies lecture workshop on Ingenuity in Biological Sciences on 11-12 January, 2018. 5. Attended National Symposium cum Faculty Development Programme on Genome Editing : Tools and Applications and gave an e-poster presentation from 15.01.18-22.01.18 organized by D.S.Kothari Centre for Research and Innovation in Science Education, Miranda House, University of Delhi. 6. Attended Faculty Development Program on Wildlife Conservation and Management held on 19th February 2018, at Sri Venkateswara College, University of Delhi, under the aegis of DBT 						

star status.
Worked as resource person in a Hands-on workshop on Bioinformatics” organised by Department of Zoology, on 6th October 2017 at Gargi College.
Administrative Assignments
Member of building maintenance committee Gargi college
Areas of Interest / Specialization
Environmental biotechnology
Subjects Taught
Zoology, Biology, Environmental Sciences
Research Guidance
1 - DBT Star College scheme (2014-2015), entitled- “Enrichment and isolation of endosulphan degrading bacteria from soil”. Six students were trained in the project.
2- DBT Star college scheme (2013-2014) “Biochemical characterization of bacterial isolates for their application in biowaste hydrolysis” Six students were trained in the project
Recent Publications
<p>i. Shivani Tyagi and Dileep K. Singh (2015) <i>Pseudacidovorax austerolens</i> sp. nov., a <i>nifH</i> bacterium isolated from Himalayan mountain valley soil, India, Annals of Microbiology MAR 2015, 65 1, p217-p223, Impact factor: 1.122, ISSN-1590-4261</p> <p>ii. Shivani Tyagi, Jitendra Singh and Dileep K. Singh (2015) Maize plant growth, soil enzyme activities and bacterial population as affected by soil organic amendments. In Proceedings of 2nd International conference on Applied Sciences, environmental engineering and energy technology for sustainable development ASET- 2015, krishiSanskriti, JNU, New Delhi. pp 42-46. ISBN: 978-81-930585-1-0</p> <p>iii. Shivani Tyagi and Dileep K. Singh (2014) <i>Azospirillum himalayense</i> sp. nov., a <i>nifH</i> bacterium isolated from Himalayan Valley soil, India. Annals of Microbiology, DOI-10.1007/s13213-013-0658-1. March 2014, Volume 64, Issue 1, pp 259-266. Impact factor: 1.122, ISSN-1590-4261</p> <p>iv. Shivani Tyagi and Mamtesh Singh (2018) Hydrolysis and fermentation of sweet lime for production of polyhydroxyalkanoates (bioplastic) Int. J. Sci. Res. & Communi., 2018; (3) 1: 43-48; http://www.ijsrc.online.</p>

Conference Organization/ Presentations

- Participated in the Science Academies Lecture Workshop entitled, "**Ingenuity in Biological Sciences**" organized by Department of Zoology, Gargi College, University of Delhi, held on 11-12 January, 2018.
- Participated in the DBT sponsored symposium on '**Art of Grant Writing**' for undergraduate science teachers held on 5-6 January 2017, organized by department of Zoology and D.S. Kothari Centre for Research and Innovation in Science Education, Miranda House, University of Delhi
- Attended 1st International Conference on "**Emerging Trends of Nanotechnology in Drug Discovery**" held from May 26-27, 2014, organized by Sri Venkateswara College and Department of Biochemistry, University of Delhi, South Campus India
- Participated in International conference on "**Recent trends in Developing Bioremediation Strategies for Hexachlorohexane (HCH) and other Chlorinated contaminants**" held from 9-11 February 2011, at Department of Zoology, University of Delhi, Delhi.
- Participated in the workshop cum seminar on "**immunodiagnostics and immunofluorescence**" held on 11th March 2011 at Department of Zoology, Gargi College, University of Delhi.
- Participated in "**The 3rd Congress of European Microbiologists: Microbes and Man**" held on 28-2nd July 2009, at **Gothenburg, Sweden**.
- Participated in the "**International symposium on Microbial Biotechnology: Diversity, Genomics and Metagenomics**" held from 18th to 20th November 2008 at University of Delhi, Delhi, India.
- Participated in International Conference on "**Biodiversity, Environment and sustainability challenges for future**" held from 4-6 september 2008 at School of Environmental studies ,University of Delhi
- Attended National Symposium on **Science of life: The New Horizon** held from 21-23 Nov. 2007 at Miranda House, University of Delhi, Delhi.

- Attended National Symposium on **Challenges and Opportunities in Animal Science Education and Research** held from 19-21 Feb. 2005 at Dept. of Zoology, C. C. S. University Campus Meerut.

Presentations

- Chawla H, Kaushik N, Deepika, Yadav A, Kumari H, Malik R, Bhatia C, Bisht K, Panwar A, Tyagi S, Tyagi S, Singh M*. "Hydrolysis of biowaste (sweet lime) in different concentration for production of polyhydroxyalkanoates (Bioplastic)" in National conference CIPSE-2016, Department of Chemistry, Gargi College, University of Delhi on September 22-23, 2016.
- Deepika, Yadav A, Kumari H, Malik R, Bhatia C, Kaushik N, Panwar A, Bisht K, Chawla H, Tyagi S, Singh M, Tyagi S*. "Studying the effect of incubation time on hydrolysis of waste (sweet lime) for optimization of PHA production" in National conference CIPSE-2016, Department of Chemistry, Gargi College, University of Delhi on September 22-23, 2016.
- Kaur D, Kaushik N, Verma S, Sharma V, Pruthi A, Jha D, Chosnit D, Tyagi S, Tyagi S, Singh M*. "Studying the effect of biowaste (sweet lime) concentration for efficient hydrolysis for utilization in downstream processes" in National symposium on 'Trends in research and innovations in life sciences at undergraduate level', Deen Dayal Upadhyaya College (DDUC), University of Delhi, New Delhi on March 30, 2016.
- Chosnit D, Kaushik N, Verma S, Sharma V, Kaur D, Pruthi A, Jha D, Bhardwaj H, Tyagi S, Tyagi S, Singh M. "Hydrolysis of biowaste as the promising strategy for downstream utilization: Studying the effect of incubation time" in National symposium on 'Trends in research and innovations in life sciences at undergraduate level', DDUC, University of Delhi, New Delhi on March 30, 2016.
- Pruthi A, Kaur D, Jha D, Kaushik N, Verma S, Sharma V, Tyagi S, Singh M*. "Exploiting biowaste (sweet lime) hydrolysis and its effect on biopolymer production" in Indo-US workshop on 'Cell Factories', IIT Bombay, Mumbai, India on March 18-20, 2016.
- Jha D, Kaur D, Pruthi A, Kaushik N, Verma S, Sharma V, Gaur K, Singh M, Tyagi S. "Biowaste hydrolysis: An ecofriendly approach for biowaste management and its utilization" in Indo-US workshop on 'Cell Factories', IIT Bombay, Mumbai, India on March 18-20, 2016.

Research Projects (Major Grants/Research Collaboration)

Research Projects : Ongoing/Completed– 1- Innovation Project–Delhi University(2015-2016)

Ecobiotechnological approaches for biowaste utilization: Biopolymer and Biofuel Rs 6,00,000/ with Dr, Shashi Tyagi And Dr. Mamtesh

Awards and Distinctions

Gold Medal for securing highest marks in college at post-graduation level

Vice Chancellor's student travel grant for poster presentation in international conference in 2009

Association With Professional Bodies

Life Member of Association of Microbiologists of India

Other Activities

Active member of Gargi extension service- NSS