



Faculty Details proforma for Gargi College

Title	Dr.	First Name	Divya	Last Name	Gnaneswari	Photograph
Designation		Assistant Professor				
Address		Department of Zoology Gargi College, New Delhi				
Phone No		Office				
		Residence*				
		Mobile*				
		9811809461				
Email		divyagnaneswari@yahoo.com				
Web-Page						
Educational Qualifications						
Degree		Institution			Year	
PhD (Zoology)		Madurai Kamaraj University			2008	
M.Sc (Zoology)		Bharathidasan University			2002	
B.Sc (Zoology)		Madurai Kamaraj University			2000	
Career Profile						
<ol style="list-style-type: none"> 1. Assistant Professor – Gargi College, University of Delhi from October, 2015 – till date 2. Assistant Professor (Ad-hoc)- Gargi College, University of Delhi from July, 2011 – October, 2015 3. Project Associate – Indian Institute of Technology, New Delhi, from 2008-2009 						
Administrative Assignments						
<ul style="list-style-type: none"> • Conducted admission in Zoology department for the year 2016-17. • Departmental Magazine editor: 2012-2015. • College Magazine Logos Editorial team: 2016 -2017 and 2017-2018 • Golden Jubilee Magazine Editorial team: 2017- 2018 • Member in Gargi College Library Committee: 2017-2018 • Member in Eco-club: 2016-2017 						
Areas of Interest / Specialization						
Immunology, Biotechnology and Molecular Biology						
Subjects Taught						
Animal Biotechnology, Developmental Biology, Molecular Biology, Immunology, Genetics and Cell Biology						

Research Guidance
<p>Guided 16 students in different projects under star college scheme from 2011-2018</p> <ul style="list-style-type: none"> • Antibacterial activity and phytochemical analysis of some selected sea weeds • Study of humoral defense factor involved in the innate immune responses of <i>Periplaneta americana</i> • Molecular docking of triterpenoids present in neem leaf extract with ecdysone receptor of <i>Plutella xylostella</i> (L.) (Lepidoptera: plutellidae) • In silico analysis of compounds isolated from <i>Solanum trilobatum</i> for its immunostimulatory activity • Molecular docking of compounds from selected Indian medicinal plants against chikungunya viral infection • In silico analysis of compounds from Indian medicinal plants against dengue virus, DENV
Recent Publications
<ul style="list-style-type: none"> • “Structural Stability and Functional Analysis of L-asparaginase from <i>Pyrococcus furiosus</i>” (2010). Bansal S, Gnaneswari D, Mishra P and Kundu B. Biochemistry (Moscow) 75(3); 375-381.(IF.1.327) • “Prion Metal Interaction: Is prion pathogenesis a cause or a consequence of metal imbalance?” (2009) Rana A, Gnaneswari D, Bansal S and Kundu B. Chemico-Biological Interactions 181; 282-291. (IF. 2.457) • “Enhancement of non specific immunity and disease resistance in <i>Oreochromis mossambicus</i> by <i>Solanum trilobatum</i> leaf fractions”. (2007). M. Divyagnaneswari, D. Christy Bapita and Michael, R.D. Fish and Shellfish Immunology 23; 249-259. (Elsevier Publication, Impact factor (2007): 3.16) • “Oral administration of <i>Eclipta alba</i> aqueous leaf extract enhances the nonspecific immune responses and disease resistance of <i>Oreochromis mossambicus</i>”. (2007). D. Christybapita, M. Divyagnaneswari and Michael, R.D. Fish and Shellfish Immunology.23; 840-852. (Elsevier Publication, Impact factor (2007): 3.16). • “Immunomodulatory activity of <i>Solanum trilobatum</i> leaf extracts in <i>Oreochromis mossambicus</i>” – Proceedings of the 6th Symposium on Diseases in Asian Aquaculture conducted at Colombo, Srilanka during October, 2005. • Oral presentation on “Study on Humoral Defense Factor Involved in the Innate Immune Responses of <i>Periplaneta americana</i>”, 2nd international conference on “Applied sciences, environmental engineering and energy technology for sustainable development” organized by Krishi Sanskriti on 14th Feb, 2015, JNU, New Delhi. Published the same in the Journal of Basic and Applied Engineering Research, Vol. 2, No 3, page no:191-195 • Paper entitled “Exploring the potential of Indian medicinal plants against dengue viral protein by docking”, accepted for publication in the Proceedings of OR-88, published by CPDHE, Delhi University
Conference Organization/ Presentations

- Organized “**Hands on Workshop on Bioinformatics**”, October, 2017 at Gargi College, under Star College Scheme for B.Sc., Life Science Students – Dr. M. Divya Ganeswari, Dr. Smriti sharma, Dr. Shivani Tyagi and Dr. Chaitali Ghosh
- Worked as Resource person in “**Academics Refresher Course on Immunology Laboratory Techniques using Fish model**” from 14th December – 17th December 2016, organized by VISTAS Centre for Fish immunology, School of Life Sciences, Vels University, Chennai, Tamil Nadu, funded by Indian Academy of Sciences, Indian National Science Academy and The National Academy of Sciences.
- Worked as a **resource person** in workshop “**PCR & Agarose gel electrophoresis**” for undergraduate students on 11th June, 2015 held at Gargi College under star college scheme.
- Worked as a **resource person** in workshop “**Electrophoretic separation and analysis of serum proteins**” for undergraduate students on 2nd June, 2015 held at Gargi College under star college scheme.
- Workshop on **Molecular biology techniques**, 9th October, 2014, under DBT star college scheme
- Worked as a **resource person** in workshop for undergraduate students from May 26th - 31st 2014, and 9-10th Oct, 2014 held at Gargi College under star college scheme.
- Worked as a **resource person** in the workshop “**Immunological Techniques**” held at Centre for Fish Immunology, Lady Doak College, Madurai from April 30 – May 12, 2007.

Paper Presentation

- Poster presentation on “***In silico* analysis of selected Indian medicinal plants against Chikungunya viral infection**” Laxmi Mishra, Kaveri Tyagi, Manisha Kumari, Shruti Khanna, Jupita Handique, Monika, Smriti Sharma, **Divya Ganeswari** and Neelam Sachdeva, in International conference and Outreach Program on “Environment & Ecology: Sustainability and Challenges” from 4-6 January, 2017, in Sri Venkateswara College, New Delhi.
- “***In vivo* and *in silico* studies on immunostimulatory activity of *Solanum trilobatum***”, poster presented in 10th symposium on Frontiers in Biomedical Research, Comprehending Genes@work: From structural biology to Drug Discovery, organized by Dr. B.R. Ambedkar Centre for Biomedical Research, University of Delhi from 29th – 31st October, 2015.
- “**Molecular Docking of triterpenoids present in neem leaf extract with ecdysone receptor of *Plutella xylostella* (L.) (Lepidoptera: Plutellidae)**”, Dr. Smriti Sharma, Dr. Neelam Sachdeva, Dr. M. Divya Ganeswari and Dr. Ashok Kumar Singh, poster presented in 10th symposium on Frontiers in Biomedical Research, Comprehending Genes@work: From structural biology to Drug Discovery, organized by Dr. B.R. Ambedkar Centre for Biomedical Research, University of Delhi from 29th – 31st October, 2015.
- Oral presentation on “**Study on Humoral Defense Factor Involved in the Innate Immune Responses of *Periplaneta americana***”, 2nd international conference on “Applied sciences, environmental engineering and energy technology for sustainable development” organized by Krishi Sanskriti on 14th Feb, 2015, JNU, New Delhi.
- “**Oral administration of *Solanum trilobatum* enhances specific immunity and disease resistance in *Oreochromis mossambicus***” – 4th International symposium on “Biocontrol and Biotechnology” held at Lady Doak College, Madurai, during November, 2006.
- “**Enhancement of nonspecific immunity and disease resistance in *Oreochromis mossambicus* by *Eclipta alba***” - 4th International symposiums on “Biocontrol and Biotechnology” held at Lady Doak College, Madurai, during November, 2006.

- **“Immunostimulation by water and Hexane soluble fractions of *Azadirachta indica* in *Oreochromis mossambicus*”,**- 7th Indian Fisheries Forum held at Bangalore during November, 2005.
- **“Stimulation of immunity in *Oreochromis mossambicus* following intraperitoneal administration of water and hexane soluble fractions of *Solanum trilobatum*”,** - 7th Indian Fisheries Forum held at Bangalore during November, 2005.
- **“Immunomodulatory activity of *Solanum trilobatum* leaf extracts in *Oreochromis mossambicus*”** – 6th Symposium on Diseases in Asian Aquaculture conducted at Colombo, Srilanka during October, 2005.
- **“Effect of *Eclipta alba* leaf extracts on the immune response of *Oreochromis mossambicus*”**- 6th Symposium on Diseases in Asian Aquaculture conducted at Colombo, Srilanka, during October, 2005.
- **“Immunomodulation by a few Indian medicinal plants in *Oreochromis mossambicus*”** - 6th Symposium on diseases in Asian Aquaculture conducted at Colombo, Srilanka during October, 2005.

Research Projects (Major Grants/Research Collaboration)

Awards and Distinctions

- Cleared **NET-JRF** exam conducted by CSIR-UGC in the year 2002 in the subject Life Sciences
- Got the **DAA VI Student travel assistance** in the year 2005 to attend and present my paper in the Sixth international Symposium on Diseases in Asian Aquaculture in Colombo, Srilanka, conducted by Fish Health Section, Asian Fisheries Society
- **Academic prize** in Zoology in M.Phil., The American College, Madurai-9
- **Sr. Dona Endowment Gold model** (2003) for the best out gone student in M.Sc., Holy Cross College, Trichy – 620006.
- **Sr. Dona Endowment Gold model** (2002) for the best outgoing student in M.Sc., Holy Cross College, Trichy – 620006.
- Proficiency Prizes – B.Sc., III prize and M.Sc., I prize

Association With Professional Bodies

Other Activities

- **Attended an Orientation programme, OR-88 on “Grooming of Indian Talent in Modern Perspective”** from 31st May 2017 to 28th June 2017, in CPDHE, Delhi University
- Attended **Science Academies’ Lecture Workshop on *Ingenuity in Biological Sciences***, from 11-12 January, 2018 Organized by Department of Zoology, Gargi College, University of Delhi
- Attended the NAAC sponsored seminar titled "Mentoring the Teacher-Mentors: Capacity Building Programme" organized by IQAC of Gargi College held on 19th and 20th January, 2018.