

Name: **M.DIVYA GNANESWARI**
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Academic Qualification

S. No	Name of Exam	Year	Name of the Institution	Board of Study	Division/ Class	Subjects Specialization	% of Marks
1	B.Sc.	2000	Lady Doak College, Madurai	Madurai Kamaraj University	I	Zoology (Spl.)	77
2	M.Sc.	2002	Holy Cross College, Trichy	Bharathidasan University	I	Zoology	84
3	Ph.D	2008	Madurai Kamaraj University		Zoology		

Paper Publication:

- **“Structural Stability and Functional Analysis of L-asparaginase from *Pyrococcus furiosus*”** (2010). Bansal S, **Gnaneswari D**, Mishra P and Kundu B. Biochemistry (Moscow) **75(3)**; 375-381.(IF.1.327), 0006-2979
- **“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), 0009-2797
- **“Enhancement of non specific immunity and disease resistance in *Oreochromis mossambicus* by *Solanum trilobatum* 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), 1050-4648
- **“Oral administration of *Eclipta alba* aqueous leaf extract enhances the nonspecific immune responses and disease resistance of *Oreochromis mossambicus*”**. (2007). D. Christybapita, **M. Divyagnaneswari** and Michael, R.D. Fish and Shellfish Immunology.23; 840-852. (Elsevier Publication, Impact factor (2007): 3.16). 1050-4648
- **“Immunomodulatory activity of *Solanum trilobatum* leaf extracts in *Oreochromis mossambicus*”** – Proceedings of the 6th Symposium on Diseases in Asian Aquaculture conducted at Colombo, Srilanka during October, 2005.
- **“Study on Humoral Defense Factor Involved in the Innate Immune Responses of *Periplaneta americana*”**, (2015). Divya Nayak, Kanika Kishwan, Ekta Nagar, Aishwarya Padmanabhan and **Dr. M. Divya Gnaneswari**, The Journal of Basic and Applied Engineering Research, Vol. 2(3);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
- **In Silico Analysis of Compounds Isolated from Selected Indian Medicinal Plants against Chikungunya Viral Proteins**, Laxmi Mishra, Kaveri Tyagi, Manisha Kumari, Shruti Khanna, Jupita Handique, Monika, Neelam Sachdeva, Smriti Sharma And Divya Gnaneswari*, Indian J Pharm Sci 2020;82(4):677-685 (IF: 0.721, 2019), DOI:10.36468/pharmaceutical-sciences.693
- **Exploring the Potential of using Spinach Powder for the Visualization of Latent Fingerprints**, Sarika Yadav, Nimisha Sharma, Smriti Sharma and M. Divya Gnaneswari, Indian Journal of Natural Sciences , June 2020, ISSN: 0976 – 0997

- **Synthesis, characterization and antibacterial activity of Mg and Ba-doped ZnO Nanoparticles**, L. Bruno Chandrasekar, M. Divya Gnaneswari & M. Karunakaran, Journal of Materials Science: Materials in Electronics, September 2020, ISSN 0957-4522, (IF: 2.195 (2018)).

Research experience: Worked as project associate (2008-2009) in the DBT funded project “Directed Modification to Attain Increased Affinity and Stability of L-asparaginase from *P. furiosus* and its extracellular expression” under Dr. Bishwajit Kundu, Associate Professor, School of Biological Sciences, Indian Institute of Technology, New Delhi. **Field of study: Molecular Biology and Protein Engineering.**

Awards:

- 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

Workshops

- Delivered a talk in 44th webinar on “**Teaching, learning and Development: Impact, Influence and Strategies**” on 13th September, 2020 through Google meet, organized by Special Center for Disaster Research, JNU and CROPC, New Delhi.
- Organized webinar on “**Immunology of Covid – 19**” on 5th August, 2020, live streamed on you tube.
- Organized “**3rd hands on workshop on Bioinformatics**” held from 5th -10th May, 2020, through Google meet, for Life Science students.
- Resource person in **Hands on workshop in biological techniques** held on 13th and 14th December 2019 at Gargi College
- Organized “**2nd Hands on Workshop on Bioinformatics**”, 22nd April, 2019 at Gargi College, under Star College Scheme for B.Sc., Life Science Students – Dr. M. Divya Gnaneswari, Dr. Smriti sharma, Dr. Mamtesh Singh and Dr. Chaitali Ghosh
- Co-ordinator in the National conference on “**Use of Scientific & Technical Terminologies in Sustainable Environment Development, its Challenges, Computational Analysis and Opportunities**” held at Gargi College from 14-16th March, 2019, with support from Commission for Scientific and Technical Terminology, Ministry of Human Resource Development, Department of Higher Education, New Delhi
- Worked as Resource person in “**Summer immersion Program**”, 11th July to 18th July, 2018 at Gargi College, under Star College Scheme
- Organized “**Hands on Workshop on Bioinformatics**”, October, 2017 at Gargi College, under Star College Scheme for B.Sc., Life Science Students – Dr. M. Divya Gnaneswari, 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 – 2 from April 30 – May 12, 2007.

Paper presentation in International conferences:

- **An insight on Inducible humoral protein from insects: an attractive alternative to bacterial antibiotics**, Medha, Shailja, G., Tanya, S., Smriti, S. & Divya Ganeswari, M., 1st international conference on Integrative chemistry, Biology, and translational Medicine, New Delhi, from 25-26, February, 2019
- 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.

Paper presentation in National conferences:

- Poster presentation on “**Effectiveness of various triterpenoids from neem in controlling insect pests: an *in-silico* approach**”, Shruti Khanna, Manisha Kumari, Kaveri Tyagi, Jupita Handique, Laxmi Mishra, Monika, Smriti Sharma, **Divya Gnaneswari** and Neelam Sachdeva, in National Conference on Combating Industrial Pollution for Sustainable Environment A Fusion of Industrial and Scientific Efforts (CIPSE-2016), from September 22-23, 2016, Department of Chemistry, Gargi College, New Delhi
- Oral presentation on “**In silico analysis of compounds from Indian medicinal plants against Dengue virus, DENV**” Laxmi Mishra, Divya, Anjali Verma, Shraddha, Smriti Sharma and **M. Divya Gnaneswari**, in National seminar on “A Paradigm Shift towards empowerment of Women” from 3-4 February, 2017, in Kalindi College, New Delhi.
- Poster at “**I2Tech-2008**” entitled “**Directed modification to attain increased stability and affinity of L-asparaginase from *Pyrococcus***” at IIT Delhi, 2008.
- “**Influence of *Solanum trilobatum* leaf extracts on the antibody response and disease resistance in *Oreochromis mossambicus***”, - Biomedicine in Aquaculture held at Kanyakumari, Tamilnadu, during March, 2006.
- “**Identification of antibacterial proteins in field crab**” –AQUA-TERR Annual Symposium conducted at Madurai Kamaraj University, Madurai.
- “**Cosmetics of Yester Years**” - National Symposium on “Medical Plants- Diversity utilization and conservation” in St. Joseph’s College, Trichy.

Seminars attended:

- Participated in **DBT-Biotechnology popularization Program** on 2.8.2019, in Miranda House, University of Delhi under CTEP program of DBT.
- 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 one day workshop on collaborative learning Entitled, “eCognitio: An Innovative E-Learning Workshop Promoting Student Participation and Collaborative Learning” at Kamla Nehru College, University of Delhi, Delhi on 23th May 2016.
- Attended an interactive session on” Foldoscope” held at Gargi College on 16 December 2015.
- Attended one day workshop on “**Biochemistry of Metabolic Processes**”, held on 2nd February 2015, Kirori Mal College, Delhi.
- Attended one day workshop on “**Data Acquisition and analysis**”, held on 15th September 2014, Department of Zoology, University of Delhi, Delhi.
- 1st international conference on “**Emerging Trends of Nanotechnology in drug discovery (INDD-2014)**”, organized by Sri Venkateswara College, University of Delhi and Department of Biochemistry, University of Delhi South Campus (UDSC), India in association with Centro de Quimica da Madeira (CQM), university of Madeira, Portugal, from May 26-27, 2014.
- One Week International Workshop entitled, “**New Frontiers in Global Learning and Communications**”, December 2013 – 2nd January 2014 at Shaheed Raj guru College of Applied Sciences for Women University of Delhi in collaboration with University of Massachusetts Boston.
- One day Workshop on “**Culture of Responsibility**” By American Society for Microbiology, 2nd September 2013 at Maitreyi College, University of Delhi
- International conference on “**Bioworld 2012: Proteins in disease and disorder**” conducted by Kusuma school of biological sciences, Indian Institute of Technology, Delhi, from 10 – 12th December, 2012.
- National symposium on “**Frontier areas in plant biotechnology**”, conducted by Department of Botany and Microbiology, Lady Doak College, Madurai, Tamilnadu
- International conference on “**Disease management for Sustainable Fisheries**”, conducted by Department of Aquatic Biology and Fisheries, University of Kerala, Kariyavatom, Trivandrum.

- **“Recent Development in Human Genome Project”** conducted by DBT in Bharathidasan University, Trichy.
- **“Biology in the New Millennium”** Conducted in Lady Doak College, Madurai.

Workshops attended:

- Participated in the **Workshop on Sexual harassment of women at workplace Act, 2013**, on 24th and 25th February, 2020, in Jawaharlal Nehru University, New Delhi
- Attended one day workshop on **“Biochemistry of Metabolic Processes”**, held on 2nd February 2015, Kirori Mal College, Delhi.
- Attended one day workshop on **“Data Acquisition and analysis”**, held on 15th September 2014, Department of Zoology, University of Delhi, Delhi.
- One Week International Workshop entitled, **“New Frontiers in Global Learning and Communications”**, December 2013 – 2nd January 2014 at Shaheed Raj guru College of Applied Sciences for Women University of Delhi in collaboration with University of Massachusetts Boston.
- One day Workshop on **“Culture of Responsibility”** By American Society for Microbiology, 2nd September 2013 at Maitreyi College, University of Delhi
- Workshop on **“Role of Bioinformatics in Genomics”** in Bioinformatics Infrastructure Facility (BIF), Gargi College, from 27th – 28th December, 2012.
- Workshop on **“Disaster Management”** in Centre for Professional Development in Higher Education, University of Delhi, from 20th – 22nd December 2012.
- Workshop on **“Introduction to Bioinformatics”** in Life Long Institute oat Delhi University organized by Zakir Hussain College, from 16 – 20th January, 2012.
- Theoretical workshop on **Recent Trends in Biotechnology, Bioinformatics and metabolic pathway engineering, MGM Institute of Biosciences and Biotechnology, Aurangabad** from 29th Jan to 3rd Feb 2008.
- Workshop on **“Biological Data Handling”** held at Lady Doak College, Madurai – 2 from Aug 9 – 12, 2006.
- Workshop on **“Phytochemical screening Techniques and Plant tissue culture”** held at Centre for Advanced studies in Botany, University of Madras, Chennai – 25 from Jan 19 – 24, 2005.
- Summer School on **“Disease Diagnosis and Health management of freshwater fish and Shellfish”** organized by ICAR held at Central Institute of Freshwater Aquaculture, Orissa, India from July 6 – 26, 2004.

Faculty Development Program:

- Attended “**25th Refresher course in life sciences and Biotechnology**” from 28th December 2020 to 9th January 2021, organised by HRDC, JNU, New Delhi
- Attended Refresher Course in **Environmental Studies** from 12th November to 7th December, 2018, organised by HRDC, JNU, New Delhi
- **Attended an Orientation Program, OR-88 on “Grooming of Indian Talent in Modern Perspective”** from 31st May 2017 to 28th June 2017, in CPDHE, Delhi University

S. No.	Details	Place	Period		Year	Sponsoring/ Organising Agency
			From	To		
1	One week national online – FDP on Research Methodology: Tools and Techniques	ATMA RAM SANATAN DHARMA COLLEGE	5 th June 2020	11 th June, 2020	2020	MHRD, PMMMMNMTT, Teaching Learning Centre, Ramanujan College (University of Delhi).
2	Certificate Course on Digital Teaching Techniques	ICT Academy	29 th June, 2020	4 th July, 2020	2020	ICT Academy
3	One-Week Online Faculty Development Programme on “ E-Learning Platform ”	E&ICT Academy IIT Guwahati	07 th September, 2020	14 th September, 2020	2020	IQAC, Barnagar College, Assam and support from Mantra Associates.
4	One week online FTP on ‘ Pedagogical Training for effective online teaching and learning ’	DDU, and KTHM, Nashik	3 rd August, 2020	10 th August, 2020	2020	IQAC and DBT star college program, DDU, (University of Delhi).
5	FDP on ICT based new paradigms of E-Teaching and E-learning	Matasundri College and Ramanujam College	15 th Sep, 2020	30 th Sep, 2020	2020	MHRD, PMMMMNMTT, Teaching Learning Centre, Ramanujan College (University of Delhi).

Academic Achievements:

1. **Academic prize** in Zoology in M.Phil., The American College, Madurai-9
2. **Sr. Dona Endowment Gold model** (2003) for the best out gone student in M.Sc., Holy Cross College, Trichy – 620006.
3. **Sr. Dona Endowment Gold model** (2002) for the best outgoing student in M.Sc., Holy Cross College, Trichy – 620006.
4. Proficiency Prizes.

Course	Name of the Institution	Subject	Prize
B.Sc.	Lady Doak College, Madurai.	Zoology	III
B.Sc.	Lady Doak College, Madurai.	Chemistry	I
M.Sc.	Holy Cross College, Trichy.	Zoology	I

Technical Qualification

- Diploma in Computer Application
- Diploma in Office Automation