

RESUME



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OBJECTIVE

Intend to build a career with leading corporate of hi-tech environment with committed and dedicated people, which will help me to explore myself fully and realize my potential. Willing to work as a key player in challenging and creative environment.

ACADEMIC PROFILE

Course of degree	Major subject	Institution	Mode of study	Percentage of marks	Year of Passing	Grade
Ph.D	Zoology	A.V.V.M Sri Pushpam College, Poondi.	Regular	Doing		
M.Phil.,	Zoology	A.V.V.M Sri Pushpam College, Poondi.	Regular	84%	2013	First class with Distinction
Thesis title - "Studies on the Implication of Immunostimulant and Antioxidant Activities of <i>Azadirachta indica</i> and <i>Eichhornia crassipes</i> on bacterial infected fishes"						
M.Sc.,	Zoology	A.V.V.M Sri Pushpam College, Poondi.	Regular	82%	2012	First class with Distinction
B.Sc.,	Zoology	A.V.V.M Sri Pushpam College, Poondi.	Regular	80%	2010	First class with Distinction

COMPUTER COURSES

- Diploma in Computer Application at TCDS Saliyamangalam during the Period of 09-08-2009 to 09-02-2010.

AREA OF RESEARCH

- Phytochemistry (Soxhlet extraction, TLC, HPTLC, HPLC and GC-MS)
- Pharmacology (Anti-diabetic studies, Hepatoprotective activity, Anti-inflammatory activity Anti-Ulcer activity and Cell Lines)
- Molecular biology (RAPD, 16S sequencing and ITS Sequencing, SDS PAGE,NATIVE PAGE)
- Microbiology(Isolation, Identification and Characterization of Microbes, Microbial Enzymes)
- Nanotechnology (Silver and gold nano)

INTERNATIONAL RESEARCH AND REVIEW PAPER PUBLICATIONS

1. **Dinesh Kumar G**, Karthik M and Rajakumar R. Study of seasonal water quality assessment and fish pond conservation in Thanjavur, Tamil Nadu, India.
Journal of Entomology and Zoology Studies 2017; 5(4): 1232-1238
2. **Dinesh Kumar G**, Karthik M and Rajakumar R. Molecular Docking Studies of Natural Antimicrobial Compound From *Azadirachta indica* Against Selected Target Pathogen *Pseudomonas fluorescens*.
World journal of pharmacy and pharmaceutical sciences, 6 (7), 2041-2047.
3. P.Mani, **G.Dineshkumar**, T.Jayaseelan, K.Deepalakshmi, C.GaneshKumar, S.Senthil Balan. Antimicrobial activities of a promising glycolipid biosurfactant from a novel marine *Staphylococcus saprophyticus* SBPS 15.
3 Biotech, 2016, 163(6):2-9 (Springer)
4. **G.Dineshkumar** and R.Rajakumar. Gas Chromatography-Mass Spectrometry Analysis of Bioactive Components From The Ethanol Extract Of *Avicennia Marina* Leaves.
Innovare Journal of Science, 2016, 4 (4): 9-12.
5. Senthil.J, Rameashkannan M.V, Mani.P, Jayaseelan.T, **Dinesh Kumar.G**. Antidiabetic Activities of *Ipomoea sepiaria* (Koenig Ex. Roxb) Ethanolic Leaves Extracts in Streptozotocin Induced Diabetic Rats.
International Journal of Chemistry and Pharmaceutical Sciences, 2016, 4(5): 247–250.
6. **Dinesh Kumar G**, Jayaseelan T, Senthil J, Mani P Evaluation of Hepatoprotective and Antioxidant Activity of *Avicennia alba* (Blume) on Paracetamol -Induced Hepatotoxicity in Rats.
Innovare Journal of Ayurvedic Science, 2016,4(3):19-22.
7. S.Surya, G. **Dinesh Kumar** and R. Rajakumar Green Synthesis of Silver Nanoparticles from Flower Extract of *Hibiscus rosa-sinensis* and Its Antibacterial Activity.
International Journal of Innovative Research in Science, Engineering and Technology, 2016, 5 (4): 5242-5247

8. R.Vijayaraj, K.Naresh Kumar, P.Mani, J.Senthi, T.Jayaseelan and **G.Dinesh Kumar**. Hypoglycemic and Antioxidant Activity of *Achyranthes Aspera* Seed Extract and Its Effect on Streptozotocin Induced Diabetic Rats.
International Journal of Biological & Pharmaceutical Research. 2016, 7(1): 23-28.
9. R.Vijayaraj, K.Naresh Kumar, P.Mani, J.Senthil, **G.Dinesh Kumar** and T.Jayaseelan. Green Synthesis of Silver Nanoparticles from Ethanolic Seed Extract of *Acranythes aspera* (linn.) and its Anti-inflammatory Activities.
International Journal of Pharmacy & Therapeutics, 2016,7 (1): 42-48.
10. **G.Dineshkumar** and R.Rajakumar. Comparative Study of Methanolic Leaf Extracts of *Azadirachta indica* (juss.) and *Eichhornia crassipes* (Mart.) Solms on Specific and Non Specific Immune Responses in *Labeo rohita*.(Ham)
Acta Biomedica Scientia. 2015, 2(2): 61-67.
11. **G.Dineshkumar** and R.Rajakumar GC-MS Evaluation of Bioactive Molecules From the Methanolic Leaf Extract of *Azadirachta Indica* (A.Juss).
Asian Journal of Pharmaceutical Science & Technology, 2015, 5 (2):64-69.
12. G.Kumaradevan, R.Damodaran, P.Mani², **G.Dineshkumar** and T.Jayaseelan. Phytochemical Screening and GC-MS Analysis of Bioactive Components of Ethanol Leaves Extract of *Clerodendrum Phlomidis* (L.)
American Journal of Biological and Pharmaceutical Research. 2015, 2(3):142-148.
13. **G.Dineshkumar**, R.Rajakumar, Panagal mani. Immunoprotective and Antioxidant Effects of the Medicinal Plant *Azadirachta Indica* (JUSS.) on Indian Major Carp *Labeo Rohita* (HAM.).
American Journal of Biological and Pharmaceutical Research. 2014, 1(2):88-94.
14. **G.Dineshkumar**, R.Rajakumar, P.Mani. Immunostimulant Effect of on *Eichhornia crassipes* (Mart.) solms Against *P.fluorescens* Infected Indian Major Carp *Labeo rohita* (HAM.)
European Journal of Molecular Biology and Biochemistry. 2014, 1(5):158-164.
15. **G.Dineshkumar**, R.Rajakumar, Panagal mani, T.M.M. John bastin. Studies on the Hepatoprotective Activity of Leaves Extracts of *Eichhornia crassipes* Against CCL4 Induced Hepatotoxicity of Albino Rats. Tamilnadu, India.
International Journal of Pure and Applied Zoology, 2013, .1(3): 209-212.

DNA SEQUENCES SUBMITTED IN NCBI

1	16S rDNA sequencing of	<i>Pseudomonas aeruginosa</i>	(KT175510)
2	16S rDNA sequencing of	<i>Pseudomonas aeruginosa</i>	(KT041528)
3	16S rDNA sequencing of	<i>Pseudomonas fluorescens</i>	(KU041529)
4	16S rDNA sequencing of	<i>Bacillus amyloliquefaciens</i>	(KU041530)
5	16S rDNA sequencing of	<i>Serratia liquefacians</i>	(KU041531)
6	16S rDNA sequencing of	<i>Staphylococcus sp</i>	(KT988902)
7	16S rDNA sequencing of	<i>Aeromonas hydrophila</i>	(KX197407)
8	16S rDNA sequencing of	<i>Streptococcus pneumoniae</i>	(KX271881)
9	16S rDNA sequencing of	<i>Salmonella sp</i>	(KX271882)
10	18S rDNA sequencing of	<i>Candida parapsilosis</i>	(KX271880)
11	18S rDNA sequencing of	<i>Candida tropicalis</i>	(KY766068)

PAPER PUBLISHED IN CONFERENCES / SYMPOSIA PROCEEDINGS

NATIONAL

1. Presented a scientific research paper entitled “**Green synthesis of gold nanoparticles using leaf aqueous extract of *A.indica* and its antibacterial activities.**” for the **National Conference on Phytochemicals in Medicinal Plants and Food” (Medfood-2018)**. Held during 1st February - 2018, organized by Department of Biochemistry, Bharathidasan University Constituent College for Woman, Orathanadu, Thanjavur.
2. Presented a scientific research paper entitled “**Hypoglycemic, Hypolipidemic and Antioxidant activities of ethanolic leaves extract of *psidium guajava* (linn.) In Streptozotocin induced diabetic rats.**” for the **National Conference on Health Care and Biotechnology in India: Emerging Trends and Challenges” (HBITC - 2017)**. Held during 17th and 18th August - 2017, organized by Department of Zoology & Biotechnology, A.V.V.M. Sri Pushpam College, Poondi, Thanjavur.
3. Presented a scientific paper entitled “**Hepatoprotective Activity of *Psidium guajava* Against Alcoholic Induced Mice**” for the seminar on “**Modern Trends in Biological Science (SMTBS-2017)**” conducted by Department Zoology of A.V.V.M.Sri pushpam college,poondi on 11th August, 2017.
4. Presented a scientific research paper entitled“ **Molecular docking studies of natural antimicrobial compound from *Eichhornia crassipes* against selected targets pathogens of *pseudomonas fluorescens*”** for the **National Seminar on Resent Trends and Challenges in Biosciences” (RTCB - 2016)**. Held during 16th October - 2016,

organized by Department of Zoology, Khadir Mohideen College, Adirampattinam, Thanjavur.

5. Presented a scientific research paper entitled “**Green synthesis of silver nanoparticles from ethanolic leaves extract of *Avicenia marina* and its antibacterial activities**” for the **Seminar on New Resent Trends in Life Sciences**” (SRTLS - 2016). Held during 22nd August - 2016, organized by Department of Zoology & Biotechnology, A.V.V.M.Sri Pushpam College, Poondi, Thanjavur.
6. Presented a scientific paper entitled “**Effect of Indian traditional medicinal (ITM) triherbal extract on the innate immune system and disease resistance in *Labeo rohita* against *Pseudomonas fluorescens***” for the national seminar on “**Immune Response Of Marine Fishes With Respect To Heavy Metal Pollution**” from 05th to 06th August, 2016, conducted by Department of Centre of Advanced Study in Marine Biology, Annamalai University, Parangipettai, Chidambaram.
7. Presented a scientific paper entitled “**Bioactive Chemical Profiling of *Avicenia marina***” for the national seminar on **Trends in Healthcare and Biotechnology: Opportunities & Challenges**” (THBOC) from 22nd to 23th January, 2016, conducted by Department Zoology of A.V.V.M.Sri pushpam college, Poondi, Thanjavur.
8. Presented a scientific paper entitled “**GC-MS Evaluation of Bioactive Molecules From the Methanolic Leaf Extract of *Azadirachta Indica* (A.Juss)**” for the national seminar on **Recent Trends and Future Advances in Life Sciences**”(RFTLS)from 26th to 27th February, 2015, conducted by Department of Life Sciences, Central University of Tamil nadu, Thiruvavur-610 101.
9. Presented a scientific paper entitled “**Immunostimulant Potential of *Azadirachta indica* (A.juss).Using Fish *Labeo rohita* (Ham.) Aganist *Pseudomonas fluorescens***” for the national seminar on **Recent Trends and Future Advances in Life Sciences**”(RFTLS)from 26th to 27th February, 2015, conducted by Department of Life Sciences, Central University of Tamil nadu, Thiruvavur- 610 101.
10. Presented a scientific paper entitled “**Development of Immunity by extract of *Eichhornia crassipes* (Mart.)Solms against *P. fluorescens* infected Indian major carp *Labeo rohita* (HAM.)**” for the seminar on “**Potential Progress In Biotechnological Research**” conducted by Department Biotechnology of Hindustan College of Arts & Science Kelambakkam, Chennai on 9th September, 2014.
11. Presented a scientific paper entitled “**IMMUNOSTIMULANT EFFECT OF FISH**” for the State level seminar on “**Current Research in Chemistry and Bio-Chemistry**” conducted by Department Chemistry of A.V.V.M.Sri pushpam college,poondi on 23rd August, 2013.
12. Presented a scientific paper entitled “**IMMUNOSTIMULANT AND ANTIOXIDENT EFFECT OF FISH**” for the seminar on “**Modern Approches in Zoology**” conducted by Department Zoology of A.V.V.M.Sri pushpam college,poondi on 20th September, 2013.

INTERNATIONAL

1. Presented a scientific research paper entitled “Biosynthesis of Silver Nanoparticles Using *Eichhornia Crassipes* Leaves Extract and Evaluation of Antibacterial Activities” for the **International Seminar on New Frontiers and Challenges in Environmental Science” (BIOENVIRON - 16)**. Held during 12th and 8th February 2016, organized by the School of Biosciences, Maruthu Pandiyar College, Thanjavur.
2. Presented a scientific research paper entitled “**Elucidation of antibacterials from the mangrove *Avicenia marina* and their activity against *Pseudomonas fluorescens***” for the **International conference on Frontiers in Life Science” (ICFLS- 2016)**. Held during 7th and 8th January 2016, organized by the Department of Botany, School of Biological Science, St. Joseph’s College (Autonomous), Tiruchirappalli.
3. Presented a scientific research paper entitled “**Immunostimulant Effect of *Azadirachta indica* ethanolic leaves extract on *Pseudomonas fluorescens* infected *Labeo rohita***” for the **International conference on Converging Biotechnological Innovation for Health, Food and Environmental Welfare (ICCBI-2015)** held during 2nd to 4th November 2015, organized by the Department of Biotechnology, school of Biotechnology and Health science, Karunya University, Coimbatore.

BEST PAPER PRESENTATION AWARDS RECEIVED

- ❖ Won Special Appreciation Award in “**International Conference on Frontiers in Life Science**” at St. Joseph’s College (Autonomous), Tiruchirappalli held on 7th and 8th January 2016.

WORKSHOP PROCEEDINGS

- ❖ Participated two days Lecture workshop on “**Modern Trends in Zoology and Microbiology**” organized by the Department of Zoology, S.B.K.College, Aruppukottai on 7th and 8th February 2017..
- ❖ Underwent National Workshop on “**Molecular Taxonomy Techniques for the Identification of Marine Organisms**” held during 8th and 10th February 2017, organized by Department of Marine Biotechnology, AMET University, Chennai.
- ❖ Participated one day **Lecture Series on Health Sciences** organized by the Department of Biotechnology & Department of Biochemistry, School of Biological sciences, St. Joseph’s College (Autonomous), Tiruchirappalli on 28th September 2016.
- ❖ Participated two days Lecture workshop on “**Progress and Prospects in Biosciences**” organized by the Department of Biotechnology, St. Joseph’s College (Autonomous), Tiruchirappalli on 4th and 5th October 2016.

- ❖ Underwent Lecture workshop on “**Biodiversity and Biotechnology**” held during 6th and 7th October 2016, organized by Department of Biotechnology, Srimad Andavan Arts and Science College, Trichy.

Awards / Recognitions received

- Junior Research Fellowship (JRF) UGC, New Delhi, April.2015 to March.2017
- Senior Research Fellowship (SRF) UGC, New Delhi, New Delhi, April.2017 to
- Assistant Editor in **European Journal of Biotechnology and Bioscience.**
- Assistant Editor in **International Journal of Research in Pharmacy and Pharmaceutical Sciences.**
- Assistant Editor in **International Journal of Fisheries and Aquatic Research.**
- Assistant Editor in **International Journal of Entomology Research.**
- Assistant Editor in **International Journal of Mosquito Research.**
- Assistant Editor in **International Journal of Fauna and Biological Studies.**
- Assistant Editor in **International Journal of Fisheries and Aquatic Studies.**
- Assistant Editor in **European Journal Pharmaceutical and Medical Research.**

Refresher courses attended

Participated in the 13 days Refresher course on Experimental Biology: Orthodox to Modern to be held from 7th to 19th November 2016, organized by the Department of Botany, St.Joseph’s College(Autonomous),Tiruchirappalli.

OTHER ACTIVITIES

- ❖ Active Member of NSS during College Days.

Personal Details:

Father's Name : S.GUNASEKARAN.
Date of Birth : 28/6/1988.
Nationality : Indian.
Community : Pallan. (SC)
Marital Status : Single.
Strengths : Sincere in work & Ability to work both
Individually as well as team.

REFERENCES

1. Dr. R. RAJAKUMAR,
Associate Professor & Head,
Department.of.Zoology & Biotechnology,
A.V.V.M Sri Pushpam College (Autonomous),
Poondi – 613 503, Thanjavur district.
Tamil Nadu, India.
Mobile: 9842466324
E-mail: drrajakumarabi@gmail.com


2.Dr P. MANI., M.Sc., M.Phil., Ph.D.,
Assistant Professor and Head,
Department of Biotechnology,
Annai Arts and Science College,
Kovilacheri, Kumbakonam,
Tamil Nadu, India.
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Declaration:

I hereby declare that all the information furnished above is true to the best of my knowledge and belief.

Date: 26.07.2018
Place: Saliyamangalam

Yours faithfully,



(G.DINESH KUMAR)