

Name : A.M. Ramachandran
Designation : Assistant Professor
Department : Microbiology
Qualification : M.Sc., PhD.
Experience : Teaching: 17 Years Industry: 5.9 Years Research: 5 Years
Area of Specialization(s) : Agricultural Microbiology, Pharmaceutical QA
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Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
PhD	Microbiology	Gandhigram Rural Institute- Deemed University, Gandhigram	2011
M. Sc	Microbiology	Ayya Nadar Janaki Ammal College, Sivakasi	1999
B. Sc	Microbiology	Sengunthar Arts and Science College, Thiruchengode	1997

Additional Qualifications

Diploma / Vocational / Certification	Area of Specialization	Institution / University / Agency Name	Year
German language	Language	Tamilnadu Theological Society	2003
Computer Hardware and Networking	Computer Technology	MSME development Institute, Chennai	2015

Projects

Completed

Project Title	Agency	Amount	Duration
“Detection and Identification System of Bacteria and Bacterial Endotoxin in the drinking water source by foldscope”	DBT	Rs. 800000	1 Year

Research Publications (Indexed)

International

- Chellaraj Emmanueul E S, Ramachandran A M, David Ravindran A, Natesan M, Maruthamuthu S, **Effect of rare earth elements on dry matter partitioning, nodule formation and chlorophyll content in *Arachis hypogaea* L. plants.**, Australian Journal of Crop Science, 4(9):670-675, 2010, ISSN 1835-2707, (Indexed in UGC).

National

- Ramachandran A M, David Ravindran A, **The role of MHB on Mycorrhiza infected *Arachis hypogaea* L.**, Journal of Pure & Applied Microbiology, vol. 2(2):477-4, 2008, ISSN: 2581-690X, (Indexed in UGC).

Other Publications: International / National Journals

- A.M.Ramachandran, **Bacterial Isolates from Pharmaceutical Industry Environment and Water System**, Asian Journal of Applied Science and Technology Vol 1 (9), Pages 01-13, 2017, ISSN:2456-883X, (Indexed in International Scientific Intex/ Google Scholar, Google, Academia, SSRN, Researchgate).
- Ramachandran AM and David Ravindran A, **Biocontrol of *Aspergillus* root rot by tripartite symbiosis in groundnut.** Int. J. Adv. Res. Biol. Sci., Vol 4(9): 5-15, 2017, ISSN: 2348-8069, (Indexed in Google Scholar).
- Appanna Mohanram Ramachandran, Kiruthika Balasubramani, Nivetha Selvaraj and Piruthika Ramanan, **Dye Degrading Microbial Isolates from Textile Soil - A Monograph**, International Journal of Pharmacy and Biological Sciences, vol 9 (3): 599-604, 2019, ISSN 2321-3272, (UGC Approved, Index Copernicus, Journal index).
- Harsha Karunakaran, Ramachandran A. M., Saranya S. and Manju M, **Isolation Of *Lactobacillus* From Non-Dairy Products and Assessment Of their probiotic Properties**, World Journal Of Pharmaceutical And Life Sciences, Vol. 6(8): 226-23, 2020, ISSN: 2454-2229, (Web of Science Group, Academic Research index, Indian Citation Index, Index Copernicus).
- Saranya S., Ramachandran A. M., Manju M and Harsha Karunakaran, **An *In Vitro* study of *Ipomea Carnea* and *Piper Betel* Leaf Extract Mixture on Anti diabetic and bacterial endotoxin neutralization**, World Journal Of Pharmaceutical And Life Sciences, vol 6(8): 257-263, 2020, ISSN: 2454-2229, (Web of Science Group, Academic Research index, Indian Citation Index, Index Copernicus).
- Manju M., Ramachandran A.M., Saranya S and Harsha Karunakaran, **Seaweed Extract – A source for cosmetic formulation and antibacterial activity**, International Journal of Multidisciplinary Educational Research, Vol. 9(7):1-12, 2020, ISSN: 2277 – 7881, (SCIRUS, International Scientific Index, Scribd, ULRICHS WEB, Scope Med, Index scholar).

- Nivethitha.M, Ramachandran A.M, **Green Synthesis Of Silver Nanoparticles Using *Zingiber Officinale* Rhizome Extract And Its Application On Diabetic Foot Ulcer**, International Journal of Creative Research Thoughts, Vol 9(7): 584-591, 2021, ISSN: 2320-2882, UGC Approved Journal No: 49023 (18), (Indexing In Google Scholar, SSRN, Semantic Scholar Research Gate, Thomson Reuters).
- Priyadharshini.R, Renuga devi.S, Saranya.T, Ramachandran A.M, **Construction Of Simplified Microbial Consortium from Gold Ornaments and their sensitivity against Disinfectants**, International Journal of Creative Research Thoughts, Vol 9(8): 425-434, 2021, ISSN: 2320-2882, UGC Approved Journal No: 49023 (18), (Indexing In Google Scholar, SSRN, Semantic Scholar Research Gate, Thomson Reuters).
- Renuga devi. S, Priyadharshini. R, Saranya. T, ramachandran A.M, **Evaluation of Microbial Load on Combs in various places within the Tirupur District, Tamilnadu, and sensitivity pattern of Disinfectants**, International Journal of Creative Research Thoughts, Vol 9(8):774-786, 2021, ISSN: 2320-2882, UGC Approved Journal No: 49023 (18), (Indexing In Google Scholar, SSRN, Semantic Scholar Research Gate, Thomson Reuters).
- Saranya. T, Renuga devi. S, Priyadharshini. R, Ramachandran A.M, **Antibacterial and Phytochemical analysis of *Capsicum Annum* (Chili Pepper Bss-859 F1 Hybrid) against foodborne pathogens**, International Journal of Creative Research Thoughts, Vol 9(8): 816-822, 2021, ISSN: 2320-2882, UGC Approved Journal No: 49023 (18), (Indexing In Google Scholar, SSRN, Semantic Scholar Research Gate, Thomson Reuters).
- Praveen K, Ramachandran A.M., Nivethitha M, **Synthesis of Silver Nanoparticles Using Leaf Extract of *Tridax Procumbens* and Analysis of its Activity against Skin Infection Causing Bacteria**, Strad Research, Vol 8 (9):353-359, 2021, ISSN: 0039-2049, (Indexing In UGC CARE GROUP II, Web of Science).
- Ramachandran A.M., Senthil Prabhu S., Devakumar J., Rengaramanujam J., Karthik Sundaram S., Mahenthiren R., Varsha T.K., **Hydrogel Formulation From *Calotropis Gigantea* Plant Extract Against Foot Ulcer Causing Bacteria In Diabetes**, Asian J Pharm Clin Res, Vol 14, Issue 11, 2021, 1-4, ISSN: 2455-3891, (Indexing In Google Scholar, Elsevier Products (EMBASE & EBSCO), Index Copernicus).

Consultancy

Nature of Consultancy	Client	Amount	Completion Status
Antibacterial assay	CDF DRNGPASC	2000	Completed

Presentations in Conference

- **Efficacy of N₂ fixing bacteria and AMF in seedling mixed to colonize plants roots and control root diseases of *Arachis hypogaea* L.,** An international symposium on Microbial Biotechnology: Diversity, Genomics and Metagenomics, 49th Annual conference of Association of Microbiologist of India at Delhi University, New Delhi, 18 -Nov-2008 to 20-Nov-2008.
- **An approach to reduce starch content in sago effluent by biological agent and ozonization,** National conference on Genomics and proteomics in bioprospecting-Role in Healthcare Development, Dept of Biotechnology, Dr. N.G.P. Arts and Science College, Coimbatore, 21-Dec-2016.

Participation in Conference

International:

- Conference on Research and Development in Biosciences, Dept of biotechnology and microbiology, Kannur University, Thalassery Campus, Palayad, Kannur, 17-Jan-2019 to 19-Jan-2019.

National:

- Conference on Transitional and Translational Scenarios in Biological Sciences (3 I's- *In vitro* to *In silico*) DBT and ICMR sponsored national level conference has been participated as organizer at Dr.N.G.P. Arts and Science College, 9-Sep-2016 and 10-Sep-2016.
- Conference on Recent Innovation in Nanomedicine & Drug Delivery, DDU Kaushal Kendra & Department of Applied Sciences, Mangaluru, 3-Sep-2018.

Participation in Seminars

1. Modern Biological Sciences, S.N.M.V. College, Coimbatore, 15-Feb-2006 & 16-Feb-2006.
2. Advances in Solid waste management, Dept. of biology, GRI, 22-Feb-2005 & 23-Feb-2005.
3. Biodegradation and Bioremediation, Dept. of biochemistry and biotechnology, Sourashtra College, Madurai, 17-Sep-2004 & 18-Sep-2004.
4. Rural Biotechnology for Sustainable Agriculture Development, Dept. Of Biology, GRI, 19-Feb-2004 & 20-Feb-2004.
5. Current Trend in Biotechnological Application, Thiagarajar College, Madurai, 20- Jul-2006.

Participation in Workshop

Research Based Pedagogical tools, DBT, British Council, IISER Pune, and Sacred Heart College, Kochi, Kerala, 11-Oct-2017 to 14-Oct-2017.

Participation in Faculty Development Programme

Quality Measures In Higher Education, Dr. N.G.P. Arts and Science College, Coimbatore, 3-Dec-2018 to 9-Dec-2018.

Conference / Seminar / Workshop Organized

Organizer, National Conference of Indian Association of Applied Microbiologists, Dr. N.G.P. Arts and Science College, Coimbatore, 9-Sep-2016 to 10-Sep-2016.

Member in BoS

Internal member of Microbiology Board, DRNGPASC, Coimbatore, since 2016.

Membership in Professional Bodies

Name of the Professional Body	Nature of membership	Duration
IAAM	Life-time	2016