

Staff Profile



Name : **Dr. K. Ramesh**

Position : **Contractual Lecturer**

Department : **Microbiology**

Email : **ksrames@gmail.com**

Phone : **Mob: 8610545315**

Office Location : **NKR Govt. Arts College for Women, Namakkal**

Education : **M.Sc., M.Phil., Ph.D., NET, SET**

S. No	Degree	University	Year of Graduation
1	SET (Life Science)	-	2016
2	NET (Life Science)	-	2013
3	Ph.D (Microbiology)	Manonmaniam Sundaranar University, Tirunelveli	2013
4	M.Phil (Biotechnology)	Bharathidasan University, Trichy	2007
5	M.Sc (Microbiology)	Bharathidasan University, Trichy	2005
6	B.Sc (Microbiology)	Bharathidasan University, Trichy	2003

Professional Experience:

S.No	Year	Position Held	Institution	Responsibility
1	Jan 2023 to Till date	Contractual Lecturer (Microbiology)	NKR Govt. Arts College for Women, Namakkal	Teaching UG & PG
2	June 2018 to Jan 2023	Assistant Professor (Microbiology)	Kongu College of Arts & Science, Karur	Teaching UG & PG

3	Jun 2016 to April 2018	Assistant Professor (Microbiology)	Vivekanandha College of Arts & Sciences for Women, Tiruchengode	Teaching UG, PG, M.Phil & Ph.D
4	Sep 2014 to May 2016	Assistant Professor (Microbiology)	Adhiparasakthi College of Arts & Science, Vellore	Teaching UG, PG & M.Phil
5	Dec 2005 to Apr 2008	Lecturer (Biotechnology)	Muthayammal College of Arts and Science, Rasipuram	Teaching UG & PG
6	June 2008 to April 2010	Lecturer (Biotechnology)	Vivekanandha College for Women, Tiruchengode	Teaching UG & PG
7	Aug 2005 to Nov 2005	Lecturer (Microbiology)	Kamadhenu College of Arts & Science, Dharmapurir	Teaching UG & PG

Research Interests:

1. Worked as **SRF** in a **CSIR** funded project “Emerging environmental challenges, natural resource management and suitable crop selection in dyeing effluent irrigation of Amaravathi river basin, Karur District, Tamil Nadu – a sustainable triangle” in Department of Biotechnology, **MS University**, Tirunelveli from 26.08.2011 to 31.05.2014.
2. Guided 53 project students at PG level (Microbiology & Biotechnology)

Publications:

RESEARCH PAPERS PUBLISHED

1. **Ramesh K**, Gifson Gnanadhas Y and S. Umamaheswari (2010). Bioefficiency of rhizosphere phosphate solubilizers on tricalcium phosphate and phosphate sludge. *J. Soil Bio. Ecol.* 30(1 & 2): 10-19.
2. **Ramesh K** and S. Umamaheswari (2011). Inhibitory activity of antibiotics and anti-vibrio probiotics against *Vibrio harveyi* isolated from Penaeid shrimp hatcheries. *Asian Fish. Sci.* 24: 186-196.
3. **Ramesh K**, Gifson Gnanadhas Y, Karthick N and S. Umamaheswari (2011). Plasmid mediated drug resistance and anti-MRSA activity of *Pongamia glabra* and *Ocimum basilicum*. *J. Phar. Res.* 4(8): 2466-2467.
4. Karthick N, Sambalraj C, Natarajan M, **Ramesh K** and S. Umamaheswari (2012). Effect of ultra violet irradiation and chromosomal aberrations in *Eudrilus eugeniae*. *Int. J. Adv. Biol. Res.* 2(4) 2012: 691-694.

5. **Ramesh K**, Natarajan M, Sridhar H and S. Umamaheswari (2013). Virulence determination among *Vibrio harveyi* hatchery isolates through haemolysis and growth constraint. *Global J. Bio-Sci. Biotech.* 3(1): 109-114.
6. **Ramesh K** and S. Umamaheswari (2013). Application of cow dung for seed preservation - a past forgotten traditional practice. *Kisan world* 40(7): 27 – 30.
7. **Ramesh K**, Natarajan M, Sridhar H, Uma Vanitha and S. Umamaheswari (2014). Feasibility of Shrimp Gut Probiotics with Anti-vibrio and Anti-QS in Penaeid Culture. *Int. J. Fish. Aqua. Studies* 1(3): 26-34.
8. Karthick N, Anees Fathimal M, **Ramesh K**, Sridhar H, Natarajan M, Divya V.V, Umavanitha M and S. Umamaheswari (2014). Screening of phytochemicals and antimicrobial activity of *C. scalpelliformis* collected from Manapad coast, Tuticorin District, Tamilnadu, South India. *J. Coastal Life Med.* 2(2): 107-111.
9. **Ramesh K**, Natarajan M, Sridhar H, Uma Vanitha and S. Umamaheswari (2014). Anti-vibrio activity of mangrove and mangrove associates on shrimp pathogen, *Vibrio harveyi* VSH5. *Global Veterinaria.* 12(2): 270-276.
10. **Ramesh K**, Sridhar H, Natarajan M and S. Umamaheswari (2014). Characterization of luminescent *Vibrio harveyi* VSH₅ isolated from shrimp hatchery. *Indian Vert. J.* 91 (10):66-69.
11. Kalaivani S, Ramyabharathi V, Shanthini S, Senthamizhselvi S and **K. Ramesh** (2016). Screening of Antimicrobial activity of selected herbal plants against *Shigella* spp. Isolated from dysentery cases. *Int. Res. Phar. Bio-Sci.* 3(3): 1-8.
12. Amutha R, **Ramesh K**, Pandiselvi P, Poornima S and A. Sudha (2017). Preclinical Assessment of *Solanum trilobatum* leaf extracts as DNA damaging anti-cancer agent in the Management of breast cancer. *Int. J. Latest Eng. and Mangnt. Research.* 02(09):23-27.
13. Amutha R, **Ramesh K**, Pandiselvi P, Poornima S and A. Sudha (2017). Bioassay guided fractioning of active principle from *Cassia alata* L. *Int. J. Latest Eng. and Mangnt. Research.* 02(09):50-55.
14. Yuvarani M, Kavitha S, Malarvizhi A, **Ramesh K** and K. Gobianandh (2023). Biofertilizer and Consortium Development: An updated review. *Current Agricultural research journal.* 11(1):01-17.

15. Aburami M, Muthumani V, Angel Jemima E, Rubika K, Bharathi V, Parameswari N, Kowsalya Devi V, **Ramesh K** and Poongothai (2024). Molecular identification of leptospira interrogans and its treatment with *Antrographis Paniculata* extract. *Journal of Molecular genetics, Microbiology and virology* .38(4):277-286.

ARTICLES IN MAGAZINE& NEWS PAPER

1. Natarajan M, **Ramesh K** and S. Umamaheswari (2013). Mattu sanathai payanpaduthi vidai padukathal – oru marandupona parampariya payirchi. *Naveena Valaanmai*. Aug: 23-27.
2. “Mangrove have anti-bacterial properties, says MSU Asst Prof” in **The New Indian Express** daily on 24 Jul 2014.
3. **Ramesh K** (2015). Kozikalin eyarkkai uyrir unavukalum athan mukkiyathuvamum. *Naveena Valaanmai*. Aug: 62-63.
4. **Ramesh K** (2017). Thamizhagathai pazhakkum visa maram. *Naveena Valaanmai*. May: 24-27.

BOOK & BOOK CHAPTER

1. **Ramesh K**, Amutha R and M. Manohar. 2017. Book chapter: Application of anti-vibrio and anti-quorum sensing technology for sustainable development in shrimp aquaculture. In *Biotechnology for sustainability: Achievements, Challenges and Perspectives*. Published by AIMST university (ISBN: 978-967-14475-3-6) PP- 344-357.

INTERNATIONAL SEQUENCE DATABANK SUBMISSION

1. **Ramesh K**, Natarajan M and S. Umamaheswari “*Vibrio harveyi* strain VSH5 16S rRNA gene partial sequence” (NCBI Accession No. KC261414.1).
2. **Ramesh K**, Karthick N and S. Umamaheswari “*Bacillus* sp. AVP03 16S rRNA gene partial sequence” (NCBI Accession No. KC261415.1).
3. **Ramesh K**, Sridhar H and S. Umamaheswari “*Bacillus* sp. AVP07 16S rRNA gene partial sequence” (NCBI Accession No. KC261416.1).
4. Sriramani M, Kalaivani M, Sharmila V, **Ramesh K** and R. Amutha ”*Pseudomonas aeruginosa* 16S rRNA gene partial sequence ”
5. Sriramani M, Kalaivani M, Sharmila V, **Ramesh K** and R. Amutha ”*Bacillus cereus* 16S rRNA gene partial sequence ”

Area of Specialization: Molecular Biology & Microbial Genetics

Professional Memberships:

1. Member in the **Indian Society of Soil Biology and Ecology**.
2. Member in the **Kisan World**.
3. Member in **Indian Veterinary Journal**.

4. Member in **Indian Science Congress**.
5. Life member in **Indian Association of Applied Microbiology**.
6. Review board member – **International Research Journal of Pharmaceutical & Biosciences**

Contact Information

Office Hours : 10 a.m to 05 p.m

Office Phone : 04286-221152

Email : nkrgacin@rediffmail.com

Website : www.nkrgacw.org