

RESUME

DEPARTMENT OF MICROBIOLOGY

Name : Dr. N.Packialakshmi

Date of Birth : 01.06.1977

Designation : Assistant professor

Educational Qualifications : M.Sc., M.Phil., Ph.D.,

Experience : **Under –graduate**: 12 years
Post – graduate : 12 Years
M.Phil: 7 yrs

Areas of specialization : Medical Microbiology & Agricultural Microbiology.

Languages known : Tamil, English

Research Supervision :

Degree	Degree Awarded	Thesis Submitted	Guiding now
M.Phil	22		02
Ph.D.	-	-	01

Details of publications :

1. Senthilkumar S., Abubacker MN and **Packialakshmi N.** Study of antibiotic sensitivity pattern of common bacteria isolated from clinical materials *Asian Jr. of Microbiology, biotechnology and environmental science*.3(4):**2001**.pp 321-325.
2. **Ahmed John S., Packialakshmi N.** Studies on antimicrobial activity of *Eudrillus euginae* *Asian Jr. of microbiology, Biotechnology & Environmental Sciences*, Issue. No (4) **2006**.pp835-837.
3. **Ahmed John S., Packialakshmi N.** Studies on antimicrobial activity of *Perionyx excavatus* – *Pakistan Journal of Biological Sciences* 10(19): **2007**.pp3482-3484
4. **Ahmed John S., Packialakshmi N.** Application of effective micro organisms for the purification of different kinds of water samples *Asian Jr. of microbiology, Biotechnology & Environmental sciences*, 9(2): **2007**. pp337-340.
5. **Ahmed John S., Packialakshmi N.** Investigation of Cellular activity in the coelomic fluid of the Earthworm (*Perionyx excavates* Perrier) . *Asian Jr. of microbiology, Biotechnology & Environmental Science* .11(2): **2009** pp335-338
6. **Packialakshmi N.** Antifungal activities of *Morinda tinctoria* Leaf Extract against some fungal isolates. *Journal of Advanced Biotechnology*,9(6): **2009**.pp20-22
7. **Packialakshmi N.** The role of earthworm (*Lamptio mauritii* (Kinb.) Coelomic fluid against clinical isolates of bacterial pathogens. *Journal of Advanced Biotechnology*, 10(3). **2010**.pp7-9.

8. **Packialakshmi N.** Antifungal activities of *Morinda tinctoria* Leaf Extract against *Aspergillus* species. *Journal of Ecology, Environment and conservation*, 16 (2): **2010** .pp149-152
9. **Packialakshmi N.** Antibacterial effect of the medicinal plants *Acorus calamus* and *Aegle marmelos* . *journal of Ecobiology* ,26(1) :**2010**.pp43-47
10. **Packialakshmi N.** Antifungal activities of *Ficus racemosa* leaf extract against selected fungal isolates. *Journal of Ecobiology* , 26(1) :**2010**.pp91-96.
11. **Packialakshmi N.** Antibacterial and Phytochemical studies on *Morinda tinctoria* . *Journal of Pure and Applied Microbiology*, 4(2): **2010**.pp859-862.
12. **Packialakshmi N.** Immune response in Earthworm (*Perionyx excavatus* Perrier) to the wound pathogens. *Journal of Pure and Applied Microbiology*, 4(2): **2010**.pp911-913.
13. **Packialakshmi N.** Control of plant bacterial pathogens by Earthworm *Lampito mauritii* (Kinberg) Exudates. *Journal of Pure and Applied Microbiology*, 5(1): **2011**.pp437-440.
14. **Packialakshmi N.** Enzyme Activity of Earthworm Coelomic fluid in Leukoderma peoples. *Biomedical & Pharmacological journal*, 5(2) : **2012**.pp363-366.
15. **Packialakshmi N and Guru V.** Study of *Strychnos potatorum* against water borne pathogens. *International Journal of Biology, Pharmacy and Allied Sciences*, 2(10) : **2013**.pp1890-1894.

- 16. Packialakshmi N., Musbira Banu M and Oviya K.** Analysis of IR – Spectroscopy by using different *Nelumbo nucifera* samples. *International journal of Pharmaceutical Research & Analysis*, 4(1) : 2014,pp14-19.
- 17. Packialakshmi N and Musbira Banu M.** Antifungal activity of *Nelumbo nucifera* extract against the Dermatophytes. *Canadian Journal of Biological and Microbiology Research*. 1(1):2014,pp1-4.
- 18. Packialakshmi N and Kanimozhi P.** Bioautography screening of Mangrove *Excoecaria agallocha* L. *International journal of Phytopharmacology* , 5(1) : 2014. pp1-5.(**Impact Factor:1.02**).
- 19. Packialakshmi N and Yasotha C.** Role of effective microorganisms in unfertile soil. *International journal of Phytopharmacy*, 4(1) : 2014. pp25-27. (**Impact Factor: 0.412**)
- 20. Packialakshmi N and Nisha Nilofer HM.** Analysis of antibacterial and phytochemical screening by using different *Anisomeles malabarica* samples. *International journal of Pharmacological Research*,4(1):2014,pp1-3. (**Impact Factor: 0.375**).
- 21. Packialakshmi N and Mahalakshmi C.** Effect of Earthworm Vermicompost and Coelomic fluid Treating on Unfertile Soil. *Research journal of Pharmaceutical Biological and Chemical Sciences*. 5(2) : 2014,pp1630-1636. (**Impact Factor 0.35**).
- 22. Packialakshmi N and Aliya Riswana T.** Screening and Production of Phosphate Solubilising Bacterial Inoculants Using Different Carrier. *Research journal of Pharmaceutical Biological and Chemical Sciences*. 5(2) : 2014,pp1630-1636. (**Impact Factor 0.35**).

- 23. Packialakshmi N and Archana J .** Phytochemical Analysis and Antibacterial Activity of *Moringa oleifera* to treat different kinds of water samples. *International journal of Phytopharmacology*.5(3): **2014**. pp233-238.(**Impact Factor:1.02**).
- 24. Packialakshmi N and Archana J.** Bioautography screening of *Jatropha gossypifolia* L.Leaves against the Gram Positive organisms. *International journal of Phytopharmacy*. 4(2): **2014**.pp 59-62. (**Impact Factor: 0.412**)
- 25. Packialakshmi N ,Suganya C and Guru V.** Phytochemical and IR-Spectrum analysis of *Strychnos potatorum* linn *International journal of Phytopharmacy*.4(2):**2014**.pp 63-66. (**Impact Factor: 0.412**)
- 26. Packialakshmi N and Oviya K.** Antimicrobial Activity, Phytochemical Analysis and HPLC Screening of *Cleome viscosa*. *L.BMR Microbiology*.1(1):**2014**.pp1-8.
- 27. Packialakshmi N and Aliya Riswana T.** Comparative study of vermicast and charcoal used as a carrier inoculums to the biofertilizer preparation. *BMR Biotechnology*.1(1):**2014**.pp1-6.
- 28. Packialakshmi N and Alwin .** Analysis of Phytochemical and High Performance Liquid Chromatography in *Desmostachya bipinnata*. *BMR Biotechnology*.1(1):**2014**.pp1-6.
- 29. Packialakshmi N and Aliya Riswana T.** Effect of carriers on survival of *Azotobacter* species in powder inoculants. *International Journal of Phytopharmacy*.4(3):**2014**.pp83-85.(**Impact Factor: 0.412**)

- 30. Packialakshmi N and Fazila Beevi H.** Preliminary Phytochemical studies on Leaves and Stem of *Cocculus hirsutus*, linn. *Journal of Scientific Research in Pharmacy*. 3(2): **2014**.pp 72-75. **(Impact Factor: 0.5)**.
- 31. Packialakshmi N and Fazila Beevi H.** Green Synthesis of Silver Nanoparticle Using *Argyrea cymosa* (Roxb) Leaf Extract and its Antibacterial Activity. *American journal of Ethnomedicine* .1(4): **2014**. pp216-225. **(Impact Factor: 0.239)**.
- 32. Packialakshmi N and Fazila Beevi H.** Antibacterial Screening on Leaves of *Argyrea cymosa* Roxb., Against Pathogenic bacteria. *World journal of Pharmaceutical Research*. 3(5):**2014**.pp1263-1271. **(Impact Factor: SJIF Impact Factor:5.045)**.
- 33. Packialakshmi N and Nilofer Nisha HM.** Screening of Antibacterial Activity in Polar and Non Polar Flower and Stem Extract of *Anisomeles malabarica* plant. *World journal of Pharmaceutical Research*. 3(6):**2014**.pp846-857. **(Impact Factor: SJIF Impact Factor:5.045)**.
- 34. Packialakshmi N and Nilofer Nisha HM.** Bio-inspired synthesis of Silver Nanoparticles and Antimicrobial Activity in *Anisomeles malabarica* plant. *Asian Journal of Phytomedicine and Clinical Research*. 2(3):**2014**.pp105-115. **(Impact Factor:0.612)**
- 35. Packialakshmi N and Nilofer Nisha HM.** Analysis of anti-bacterial and phytochemical screening by using different *Anisomeles malabarica*. *International Journal of Pharmacological Research*.4(1):**2014**.pp1-3. **(Impact Factor:0.375)**.

- 36. Packialakshmi N and Nilofer Nisha HM.** Bioautography Screening of Anisomeles malabarica leaves and boiled leaves. The Pharma Innovation Journal 3(6):2014.pp77-80 (**Impact Factor:0.324**).
- 37. Packialakshmi N, Suganya C and Guru V.** Bioautography Screening of *Strychnos potatorum* leaves and Bark. International Journal of Phytopharmacology.5(6):2014.pp427-431.(**Impact Factor:1.02**).
- 38. Packialakshmi N, Suganya C and Guru V.** Antibacterial activity and green synthesis of silver nanoparticles using *Strychnous potatorum* seed and bark extract. *Asian Journal of Phytomedicine and Clinical Research*. 2(3):2014.pp127-138. (**Impact Factor:0.612**).
- 39. Packialakshmi N, Suganya C and Guru V.** Antibacterial activity of silver Nanoparticles synthesized by using *Strychnous potatorum* leaves. *International Journal of Pure and Applied Bioscience* 2(4):2014.pp246-253. (**Impact Factor:2.636**).
- 40. Packialakshmi N and Naziya S.** Antibacterial activity of *Caralluma fimbriata* against human pathogenic bacteria. *International Journal of Research in Pharmaceutical and Nano Sciences*. 3(4):2014.pp305-312. (**Impact Factor:2.636**).

Details of Papers presented :

1. Investigation of antibiotic sensitivity pattern in clinical material –UGC sponsored National symposium on need based modern trends in ethanomedicine Research at Kongunadu Arts and Science College. Coimbatore.

2. Selection of Examiners and Evaluation of Projects- UGC sponsored National Seminar on Examination reforms held at Jamal Mohamed College, Trichy on 7th March 2012.
3. Effective microorganisms preparation and Antibacterial activity of *Andrographis paniculata* –CSIR sponsored National seminar on Frontier in Biotechnology Nehru memorial college. Puthanampatti on 8th & 9th, August 2013.
4. Phytochemical screening and chromatography separation of *Desmostachya bipinnata* - “National Seminar On Recent Advances In Plant Science”. Organized by post graduate and research department of Botany Jamal Mohamed college (Autonomous), Tiruchy on 13th March 2014.

Details of Seminars / Conferences / Workshops Attended:

- State level One Day Workshop on Mushroom Culture & Vermicomposting Technology at St. Joseph’s College, Tiruchirappalli. 20th December 2004.
- National level one day workshop on Fluorescence Technology at St. Joseph’s college, Tiruchirappalli. 16th Feb 2004.
- Attended SHORT TERM TRAINING COURSE (STTC) of Molecular Methods Bioresources conservation for sustainable Development sponsored by Department of Biotechnology Government of India, New Delhi organized by The Rapinat Herbarium, Center for Molecular systematic St. Joseph’s college Trichy. November 12th – 25th 2008.
- State level seminar on “FRONTIER STUDIES IN CHEMISTRY” in Jamal Mohamed College. 9th and 10th February 2010.

- Attended the seminar on “Creating Competitiveness to excel in higher education –a TQM approach” organized by internal quality assurance cell, Jamal Mohamed College, Tiruchirappalli-20. 2010.
- National level seminar on “Quality enhancement in teaching, Research and Extension in higher education institutions-prospects and problems”. Organized by internal quality assurance cell, Jamal Mohamed College, Tiruchirappalli-20. 2010
- State level seminar on recent trends in chemical research (RTCR – 2010) organized by PG & Research Department of Chemistry, JMC, Trichy -20 5th and 6th October 2010.
- National level forum on “Emerging debates on communicable disease”(EDCD). Organized by P.G.Department of Microbiology, Jamal Mohamed College, Tiruchirappalli-20. 2011
- Seminar on “Teaching learning and Research in higher Education – Excellence and beyond Excellence” organized by internal quality assurance cell, Jamal Mohamed College, Tiruchirappalli on 7th March 2012.
- Science Academies Lecture workshop on “Recent Trends in Biology and Biotechnology” Organized by P.G & Research Department of Biotechnology, Jamal Mohamed College, Tiruchirappalli from 29th to 31st January 2014
- “Quality research report writing” organized by the Curriculum Development cell of Bharathidasan university , Tiruchirappalli on 28th February 2014.

Details of Seminars / Conferences / Workshops Organized:

- National Level Seminar on “Advances in Microbiology” Nam ‘07’ 5th October 2007. Kurinji College of Arts & Science Tiruchirappalli.

- Two Day workshop on “Microbiology & Environment” (mem ‘07’) Department of Microbiology, Kurinji College of Arts & Science, Tiruchirappalli. 24th and 25th January 2007.
- Hands on training in “PCR Applications & Gel Documentation” Organized by P.G.Department of Microbiology, Jamal Mohamed College, Tiruchirappalli-20. 2011.
- State level seminar on “Emerging Advancements in Biosciences Organized by P.G.Department of Microbiology, Jamal Mohamed College, Tiruchirappalli-20. March 2012.

Details of in charge/ Participation in Extracurricular activities (NCC, NSS, Sports, Games, Voluntary Association and cultural activities):

- Serving as National Service Scheme Programming Officer in Kurinji college of Arts and Science Bharathidasan University, Trichy from 2006 to 2009.
- Attended the General Orientation Course in the Training, Orientation and Research in National Service Scheme, Madras School of Social Work, Chennai from 23.06.2008-02.07.2008.

AWARDS

- Manithaneya Award in Thiruvalluvar Arakkattalai – 2009.
- Best NSS officer award in Bharathidasan University-2009

Academic Activities

Board of Studies Member in Microbiology (UG & PG) ,Bharthidasan university University, Trichy. Effect from **01.04.2012** to Three years.

Research projects

S.No	Project title	Funding Agency	Period	Amount (Rs.)
1	Effect of earthworm vermicompost and coelomic fluid treating on unfertilized soil	TNSCST	2012-2013	Rs. 10,000/-
2	Comparative study of vermicast and charcoal used as a carrier inoculums to the biofertilizer preparation.	TNSCST	2013-2014	Rs.7500/-

Any other information if any

- Diploma in Computer Application (NIIT)
- Completed Three Belts in Karatae
- Completed Certificate Training Course “AGRICULTURE” (Tamil Nadu Technical Institute – Dharmapuri).