

Name : DR. G. POTHARAJ



Designation : ASSISTANT PROFESSOR
DEPARTMENT OF MICROBIOLOGY

Qualification : M.Sc., Ph.D. (Biotechnology)

Date of Birth : 12.06.1990

Email ID : pothiarajbt@gmail.com

Mobile Number : +91 9659299308

Address : 2/563 ATHIKULUM KEELA STREET,
ATHIKULUM POST,
SRIVILLIPUTTUR
VIRUDHUNAGER
TAMIL NADU – 626125
INDIA.

Area of Specialization : BIOTECHNOLOGY

Area of Research : RECOMBINANT DNA TECHNOLOGY, ANIMAL
BIOTECHNOLOGY

Cloning of LipL32 and LipL41 into different expression system
(Bacteria, yeast, mammalian, plant)

Protein expression and purification

Expression of recombinant DNA vaccine transfect into cell line
system.

Research Experience:

S. No	Agency	Period	Project Title	Role
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1	UGC-BSR	2019-2021	Development of an Expression system for medically important Proteins	Senior Research Fellow
2	UGC-BSR	2016-2019	Development of an Expression system for medically important proteins	Junior Research Fellow

Publications:

1. Muthiah Joe Virgin Largia, **Govindan Pothiaraj**, Jayabalan Shilpha, Manikandan Ramesh. Methyl jasmonate and salicylic acid synergism enhances bacoside A content in shoot cultures of *Bacopa monnieri* (L.) *Plant Cell Tis Organ Cult* 122:9–20 (2015).
2. Muthiah Joe Virgin Largia, Jayabalan Shilpha, **Govindan Pothiaraj**, Manikandan Ramesh. Analysis of nuclear DNA content, genetic stability, Bacoside A quantity and antioxidant potential of long term in vitro grown germplasm lines of *Bacopa monnieri* (L.) *Plant Cell Tiss Organ Cul.*, 120:399 406 (2015).
3. **Pothiaraj Govindan**, Sam Ebenezer Rajadas, Johnson Christdas Ebenezer, Shakila Harshavardhan. Comparative Analysis on the Effect of Seaweed Liquid Extracts and Commercial Plant Growth Regulators on invitro Propagation of *Bacopa monnieri* (L.) *International Journal of Research in Bioscience* 5 :1-9, 2016, Impact factor:0.9.
4. **Pothiaraj Govindan**, Manoranjani Murugan, Sasikumar Pitchaikani, Premavathi venkatachalam, Sabariswaran Kandasamy, Harshavardhan Shakila. Synthesis and Characterization of Bioactive Silver Nanoparticles from Red Marine Macroalgae *Chondrococcus hornemannii*. *Materials Today Proceedings* (in press 2021).
5. **Govindan Pothiaraj**, Sasikumar Pitchaikani, Sabariswaran Kandasamy, Mariappan Rajan, Harshavardhan Shakila, Emad M. Eedd, Ashraf Elfasakhanye Arivalagan Pugazhendhi “Biomacromolecules of chitosan – Bacopa saponin based LipL32 gene delivery system for Leptospirosis therapy” (Accepted in Environmental research on 14.07.2021) Impact Factor. 6.498.

Awards and Achievements

1. University Grants Commission-**Basic Scientific Research Fellowship** (2016–2021).
2. Secured **First Rank in Bachelor of Science in Biotechnology** (Arulmigu Kalasalingam College of Arts & Science, Krishnankoil affiliated to Madurai Kamaraj University) (2011).
3. Recipient of “**Maruthu Pandian Endowment Scholarship**” in Bachelor of Science in Arulmigu Kalasalingam College of Arts & Science, Krishnankoil.
4. Won “**Best Oral Presentation Award**” at the “International Conference on Conservation of Natural Resources (ICCN-16), organized by the Nehru Memorial College, Tiruchirappalli, Tamil Nadu, India (29th-30th September 2016)

