



Dr Samuel. P

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Address: Sivakasi ,Tamil Nadu,India - 626124

Expertise

Mycology

This is Dr. P. Samuel, working as an Assistant Professor in Biotechnology, Bishop Heber College, Trichy (TN). Presently having 16 years of teaching experience and handling classes for the millenials.

Work experience

1. Ayya Nadar Janaki Ammal College 2014 — 2023

Former Assistant Professor
Virudhunagar

2. Bharath College of Science & Management, South Garden, Thanjavur
- 613 007. 2010 — 2014

Assistant Professor
Thanjavur

3. Ponnaiyah Ramajayam Institute of Science and Technology 2006 —
2010

Assistant Professor
Thanjavur

Education

1. **Ph.D - 2013**

Ponnaiyah Ramajayam Institute of Science and Technology

2. **M.Phil - 2006**

PONNAIYAH RAMAJAYAM COLLEGE

3. **M.Sc - 2005**

PONNAIYAH RAMAJAYAM COLLEGE

4. **B.Sc - 2003**

PONNAIYAH RAMAJAYAM COLLEGE

5. **HIGHER SECONDARY - 2000**

DON BOSCO MATRICULATION HIGHER SECONDARY SCHOOL

6. **Matriculation - 1998**

Brilliant Matriculation School

Honours and Awards

1. **Dedicated and Duty Bound Faculty - 2022**

Ayya Nadar Janaki Ammal College, Sivakasi

2. **Promising Techno Faculty Award - 2022**

Ayya Nadar Janaki Ammal College, Sivakasi

3. **TECHNO FACULTY - 2019**

STAFF CLUB, AYYA NADAR JANA KI AMMAL COLLEGE

4. **Dr.A.P.J. Abdul Kalam Award for teaching Excellence - 2015**

Marina Labs, Chennai

Research Project

Isolation, Identification.....south east coast of Tamilnadu

Role: Principal Investigator

Year 2015, Amount 1,85,000

Membership In Professional Bodies

1. European Biotechnology Network, 2017
Member
2. International society for infectious diseases, 2017
Member
3. International Society for Environmental Information Sciences, 2017
Member
4. Asian federation of Biotechnology, 2016
Member
5. International society for subsurface microbiology, 2016
Member
6. European federation of Biotechnology, 2016
Member
7. Yale Biotechnology and pharmaceutical society, 2016
Member
8. International congress on infectious diseases, 2016
Member
9. European Society of Clinical Microbiology and Infectious Diseases, 2015
Member
10. International Association for Urban climate, 2015
Member
11. Asia-Pacific Chemical, Biological & Environmental Engineering Society (APCBEES), 2015
Member

Membership In Committees

1. CSIR-NET LS Coaching committee, 2020
Member
2. Internal Quality Assurance Cell, 2020
Executive Member
3. IPR Cell, 2020
Member
4. BI-PLAN Care and Conservation club, 2019
Coordinator
5. ANJAC Institutional and Innovation council, 2019
Member
6. ANJAC Admission Committee, 2015
Member
7. College Industry collaboration cell, 2015
Assistant coordinator

Publication

1. Bioremediation of hexavalent chromium by transformation of *Escherichia coli* DH5 α with chromate reductase (ChrR) genes of *Pseudomonas putida* isolated from tannery effluent

Shenbagamoorthy Sundarraj, D.N.P. Sudarmani, Ponpandian Samuel, S.P. Sevarkodiyone
Journal of Applied Microbiology, Volume 134, Year 2023
2. Nanotechnology-Based Stem Cell Therapy: Current Status and Perspectives

Ponpandian Samuel, Shenbagamoorthy Sundarraj and D.N.P. Sudarmani
Possibilities and limitations in current translational stem cell research [Working Title], Volume , Year 2023, Pages
3. Evaluation of rust disease tolerance and antioxidant enzyme activity from organogenesis and somatic embryogenesis in safflower (*Carthamus tinctorius* L.) cv. NARI-H-15

Vijayakumar J.;Kumari B.D.R.;Samuel P.

Agriculture and Natural Resources, Volume 56, Year 2022, Pages 627-644

4. **ISOLATION, STRUCTURE ELUCIDATION AND BIOLOGICAL ACTIVITY OF MARINE NATURAL PRODUCTS**

Dr. Samuel Ponpandian

Marine Nutraceuticals; Challenges and Opportunities, Volume , Year 2021, Pages

5. **Mitochondria-targeted acridine-based dual-channel fluorescence chemosensor for detection of Sn⁴⁺ and Cr^{2O7}²⁻ ions in water and its application in discriminative detection of cancer cells**

Palanisamy Ravichandiran, D.S.Prabakaran, Nikhil Marolid, Rhan Kime Byung-HyunPark, Myung-KwanHang, Thiyagarajan Ramesh, Samuel Ponpandian, Dong JinYoo

Journal of Hazardous Materials, Volume 419, Year 2021, Pages

6. **Bio-prospecting of marine-derived fungi with special reference to production of keratinase enzyme-A need-based optimization study**

Samuel, P and Maheswari, M and Vijayakumar, J and Selvarathinam, T and Amirtharaj, K and Deenathayalan, R

Journal of Applied Biology \& Biotechnology Vol, Volume 6, Year 2018, Pages 35--41

7. **Bio-prospecting of marine-derived fungi with special reference to production of keratinase enzyme - A need-based optimization study**

RD P. Samuel*, M. Maheswari, J. Vijayakumar, T. Selvarathinam, K. Amirtharaj

Journal of Applied Biology & Biotechnology, Volume 6 (3), , Year 2018, Pages 35-41

8. **Toxicity studies on silver and copper nanoparticles**

Samuel, P., Pavithra, B., Priyadarshini, R., ...Vijayakumar, J., Selvarathinam, T.

Indian Drugs, Volume 55, Year 2018, Pages 58-60

9. **Bioprospecting of marine halophyte Salicornia Europaea L. and evaluation of its biological potential with special reference to anticancer activity**

Samuel, P., Vijaya Kumar, J., Selvarathinam, T., Deena Dhayalan, R., Amirtharaj, K.

Indian Drugs, Volume 55, Year 2018, Pages 47-56

10. **NANOPARTICLES – A BOON OR CURSE TO THE HUMAN S**

INDIAN DRUGS, Year 2018

11. **Influence of Meta-Topolin on Efficient Plant Regeneration via Micropropagation and Organogenesis of Safflower (Carthamus tinctorius L.) cv. NARI-H-15**

Vijayakumar, Jeyachandran and Ponmanickam, Ponnirul and Samuel, P and Sudarmani, DNP and Pandiarajan, J

American Journal of Plant Sciences, Volume 8, Year 2017, Pages 688--705

12. **Metabolite profiles of arsenic tolerant plants regenerated from stem calli of Andrographis paniculata (Burm.f.) nees using HPLC and 1D¹H NMR**

J. Vijayakumar ., P. Ponmanickam ., P. Samuel ., B. Pavithra ., A. Manjula ., S. Aswathi ., G. Shobana Rathi

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13. **Gloriosa superba L. - An endangered plant of Tamilnadu, yet to be explored and need to be conserved**
Rajeswari, P., Samuel, P., Sudarmani, D.N.P., Amirtharaj, K., Deenathayalan, R.
Indian Drugs, Volume 54, Year 2017, Pages 60-62
14. **Bioprospecting of *Salicornia europaea* L. a Marine Halophyte and Evaluation of Its Biological Potential with Special Reference to Anticancer Activity**
Journal of Pharmaceutical and Pharmacological Sciences, Year 2017
15. **Influence of Meta-Topolin on Efficient Plant Regeneration via Micropropagation and Organogenesis of Safflower (*Carthamus tinctorius* L.) cv. NARI-H-15**
American Journal of Plant Sciences, Year 2017
16. **A Statistical Evaluation on the Mycodiversity of Microfungi from Marine Origin Along the South East Coast of Tamilnadu**
P. Samuel and D.N.P. Sudarmani
American Journal of Current Microbiology, Volume 4, Year 2016, Pages 1-15
17. **Assessment of In vitro Anticancer Potential of Marine Derived Fungus Collected from South West Coast of Tamilnadu**
Samuel, Ponpandian and Sudarmani, DNP
American Journal of Current Microbiology, Volume 4, Year 2016, Pages 1-9
18. **Preparation and evaluation of herbal gel containing *Clerodendrum serratum* for anti-inflammatory activity**
Awale KB., Shah RR, and Kondawar MS
Der Pharmacia Sinica, Volume 1, Year 2014, Pages 130-138
19. **Isolation, identification and characterization of feather degrading bacteria**
Pandian, Samuel and Sundaram, Jawahar and Panchatcharam, Prabakaran
European Journal of Experimental Biology, Volume 2, Year 2012, Pages 274-282
20. **Ocean: the inviolated source of pharmaceutical leads and drug metabolites**
Samuel, P and Prince, L and Prabakaran, P
, Year 2011
21. **Biodiversity of Marine Fungi Recorded From Adirampattinam Coastal Environs, South East Coast of Tamilnadu**
Samuel, Pandian and Prabakaran, P
, Year 2011
22. **Pharmacological investigations on *cassia occidentalis* linn**
Chandrakala, N and Sampathkumar, G and Samuel, P and Ganesan, U and Prabakaran, M and Ayyavoo,

23. Exploring the Biological Potentials of *Cissus quadrangularis* Linn. with Special Reference Exploiting the Anticancer and Antibacterial Activities

P. Samuel, J. Augostriena, T. Selvarathinam, D. N. P. Sudarmani
, Volume 4, Year 0, Pages 63-77

24. Antibacterial activity of marine derived fungi collected from South East Coast of Tamilnadu, India

Samuel, P and Prince, L and Prabakaran P

25. Investigation and application of marine derived microbial enzymes: Status and prospects

Samuel, P and Raja, A and Prabakaran P

26. Green synthesis of silver nanoparticles by *Aspergillus* consortium and evaluating its anticancer activity against Human breast adenocarcinoma cell line (MCF7)

Rajeswari, P and Samuel, P and Vijayakumar, J and Selvarathinam, T and Sudarmani, D and Amirtharaj, K and Deenathayalan R