

## Dr. David Paul Raj R S's Profile



**David Paul Raj R S M.Sc., Ph.D**

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Designation: Associate Professor

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Date of Joining : 06/01/2010

### Academic Background

<b>Degree</b>	<b>University</b>	<b>Year</b>
Ph.D	University of Madras	2003
M.Sc	University of Madras	1999
B.Sc	Manonmaniam Sundaranar University	1997

### Courses Taught

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- Bioanalytical Techniques
- Research Methodology and IPR
- Food Supply Chain management
- Pollution Control and Engineering
- Basic Industrial Biotechnology

## Research Interests

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- Herbal Medicine
- Plant Tissue Culture
- Sustainable Agriculture

## MOST RECENT PUBLICATIONS

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- S M Chitra , P Mallika , N Anbu , R NarayanaBabu , A SugunaBai , R S David Paul Raj , D Premnath. 2021. An Open Clinical Evaluation of Selected Siddha Regimen in Expediting the Management of Covid-19 -A Randomized Controlled Study. *Journal of Ayurveda and Integrative Medicine*. (Online first) (IF-1.28)
- R.S. David Paul Raj, H. Agnes Preethy and K. Gilbert Ross Rex. 2021. Development of Banana Peel Powder as Organic Carrier based Bioformulation and Determination of its Plant Growth Promoting Efficacy in Rice Cr100g. *Journal of Pure and Applied Microbiology*. (Online first) (IF-0.5).
- Amos Samkumar, · Dhanaraj Premnath, · R. S. David Paul Raj. 2019. Strategy for early callus induction and identification of anti-snake venom triterpenoids from plant extracts and suspension culture of *Euphorbia hirta* L. R. *3 Biotech* 9: 266 (IF-2.4)
- David Paul Raj R.S, Beena Kanimozhi R, Levin Anbu Gomez, Rohini S. 2019. Evaluation of Biocontrol Efficacy of Herbal and Bioformulations against Root Rot Pathogen *Fusarium Solani* in Tomato. *International Journal of Recent Technology and Engineering*. Volume-8 Issue-3, - pp-5619-5625
- Palaniselvam Kuppusamy, R.S. David Paul Raj, Soundharrajan Ilavenil, Balasubramanian Kaleeswaran, Natanamurugaraj Govindan, Gaanty Pragas Maniam, Sivanesan Ravikumar. 2015. Evaluation of antihypercholesterolemic effect using Memecylon edule Roxb.ethanolic extract in cholesterol-induced Swiss albino mice. *Journal of Acute Medicine* 5. 85-91.(IF:0.8)

## PROJECTS HANDLED

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- Seed Money Research Grant – KITS – Development of organic carrier based bioformulation for plant growth promotion in Rice.
- In vitro production of anti snake venom triterpenoid taraxerol through plant cell suspension culture of *Euphorbia hirta*. (External funded - ACMA)

## PATENTS PUBLISHED/GRANTED

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- **Patent No: 202041010982 (Dt. 13/03/2020)** Dried Banana Peel Powder as an organic carrier in bioformulation for biocontrol of Pythium sp” **David Paul Raj R. S.**, Beena Kanimozhi, Gilber Ross rex, Agnes Preethy, Amala Jasmine & Poomalai D
- **Patent No: 201941017991 (Dt. 14/06/2019)** Enhanced production of anti-snake venom compound (taraxerol) from suspension cultures systems of *Euphorbia hirta* L.) **David Paul Raj R. S.**, Pratap Kumar G & Dhamayanthi M
- **Patent No: 202041040928 (Dt: 21-9-2020)** A method of coating seeds of Gmelina arborea with bioformulation for biocontrol of Damping-off disease - **David Paul Raj R.S.**, Geethu KM, Beena Kanimozhi R, Rohini S, Jemmy Joy

## Memberships in Professional Bodies

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- Life member – Association of Microbiologists of India