



**DR. R.P. PRAVEEN POLE**

**ADJUNCT FACULTY**

**Contact**

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**Academic Qualifications**

<b>Degree</b>	<b>Institution</b>	<b>Year</b>	<b>Branch</b>	<b>Class</b>
Ph. D.	Manonmaniam Sundaranar University	2018	Zoology	Awarded
M. Phil.	Manonmaniam Sundaranar University	2007	Zoology (Specialization in Coastal Aquaculture)	First Class
M. Sc.	Scott Christian College (Autonomous), Nagercoil, Manonmaniam Sundaranar University	2005	Zoology	First Class
B. Sc.	Nesamony Memorial Christian College, Marthandam, Manonmaniam Sundaranar University	2003	Zoology	First Class

## Teaching Experience

Total Teaching Experience : 04 Years

Position	Institution	Duration
Guest Lecturer	Department of Zoology, Nesamony Memorial Christian College, Marthandam, Manonmaniam Sundaranar University.	20-06-2023 to 28-06-2023
Assistant Professor	Department of Zoology and Research Centre, V O Chidambaram College, Thoothukudi.	03-02-2020 to 30-11-2022
Guest Lecturer	Department of Zoology, Christian College, Kattakkada, Trivandrum District, Kerala.	19-08-2016 to 30-09-2016

## Research Experience

Total Research Experience : 10 years

Position	Institution/University	Project	Duration
Project Assistant	Scott Christian College (Autonomous), Nagercoil, Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu.	Nation-wide Environmental Gamma Radiation monitoring using TLDs, Tamilnadu (XII <sup>th</sup> Plan Project. [ <i>Bhabha Atomic Research Centre (BARC) funded project</i> ], Mumbai.	August 2014- July 2016
Junior Research Fellow & Senior Research Fellow	Scott Christian College (Autonomous), Nagercoil, Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu.	Radiological Assessment of Exposure from Naturally Occurring Radionuclides to Terrestrial and Aquatic Non-Human Biota around Kudankulam Nuclear Power Project (Sanc. No. 2008/36/57-BRNS) <i>funded by Dept. of Atomic Energy-Board of Research in Nuclear Sciences (DAE-BRNS), Mumbai.</i>	August 2009- March 2013
Technical Assistant	Scott Christian College (Autonomous), Nagercoil, Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu.	Studies on Baseline Radioactivity (Natural and Fallout) and Trace Elements in the Environmental Matrices in 30 km radius around Kudankulam Nuclear Power Project (Sanc. No. 2004/36/16-BRNS) <i>funded by Dept. of Atomic Energy-Board of Research in Nuclear Sciences (DAE-BRNS), Mumbai.</i>	October 2007- March 2009

## Areas of Research

Radioecology, Green nanotechnology, Phytochemistry

## Patents Filed

1. Toxicity of bimetallic (iron & silver) green nanoparticles on mosquito- No. 202241042346A.
2. Biosynthesized zinc oxide nanoparticles as an anticancer agent-No. 202241033640A
3. Innovative recovery of value-added products from human urine -No.202241015148A
4. Dry grape (*Vitis vinifera*) extract and its anticancer effect-No. 202241071778A
5. Phyto-mediated starch nanoparticles against biofilms-No. 202341084343A

## Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books / Chapters / Monographs / Manuals
11	05	0	06	03

**Cumulative Impact Factor (as per JCR)** : 25.25

**h-index** : 6

**i10 index** : 4

**Total Citations** : 104

## Events Participated

Conferences / Seminars / Workshops: 72

## Membership

### Professional Bodies

1. Member of NUCLEUS (International Nuclear Information System), the IAEA Nuclear Knowledge and Information portal.
2. Member of International Nanoscience Community.
3. Member of Nanotechnology World Association.
4. Life member of Indian Association for Radiation Protection.

### List of Research Articles / Recent Publications

S. No	Authors/Title of the paper/Journal	Impact Factor
<b>INTERNATIONAL JOURNALS</b>		
1.	<b>Pole, R.P.P.</b> , Khan, M.F. and Wesley, S.G., 2017. Occurrence of <sup>210</sup> Po in marine macroalgae inhabiting a coastal nuclear zone, southeast coast of India. <i>Journal of environmental radioactivity</i> , 169, pp.122-130, <a href="https://doi.org/10.1016/j.jenvrad.2017.01.013">https://doi.org/10.1016/j.jenvrad.2017.01.013</a> .	2.3
2.	Rabecca, R., Doss, A., Kensa, V.M., Iswarya, S., Mukeshbabu, N., <b>Pole, R.P.P.</b> and Iyappan, K., 2022. Facile synthesis of zinc oxide nanoparticle using algal extract and their antibacterial potential. <i>Biomass Conversion and Biorefinery</i> , pp.1-12, <a href="https://doi.org/10.1007/s13399-022-03275-6">https://doi.org/10.1007/s13399-022-03275-6</a> .	4.05
3.	David, S.W.T.A., Doss, A., <b>Pole, R.P.P.</b> , Rani, T.P.K.P., Reshmi, R.P.L. and Rajalakshmi, R., 2022. Synthesis and characterization of Cobalt Oxide nanoparticles using <i>Momordica charantia</i> and its photocatalytic activity. <i>International Journal of Nano Dimension</i> . 13(3): 335-343. ISSN 2008-8868, DOI:10.22034/IJND.2022.1956438.2137	1.5
4.	Rabecca, R., Doss, A., <b>Pole, R.P.P.</b> and Satheesh, S., 2022. Phytochemical and anti-inflammatory properties of green macroalga <i>Codium tomentosum</i> . <i>Biocatalysis and Agricultural Biotechnology</i> , 45, p.102492. ISSN: 1878-8181, <a href="https://doi.org/10.1016/j.bcab.2022.102492">https://doi.org/10.1016/j.bcab.2022.102492</a> .	4.0
5.	Suresh, P., Doss, A., <b>Pole, R.P.P.</b> and Devika M 2023. Green synthesis, Characterization and Antioxidant activity of bimetallic (Ag-ZnO) nanoparticles using <i>Capparis zeylanica</i> leaf extract. <i>Biomass Conversion and Biorefinery</i> . 13(1): p1-9. ISSN 2190-6815. <a href="https://doi.org/10.1007/s13399-023-03743-7">https://doi.org/10.1007/s13399-023-03743-7</a> .	4.05
6.	Kavitha, A., Doss, A., <b>Praveen Pole, R.P.</b> , Kumari Pushpa Rani, T.P. Ram Prasad and Satheesh, S., 2023. A mini review on plant-mediated zinc oxide nanoparticles and their antibacterial potency. <i>Biocatalysis and Agricultural Biotechnology</i> , 48, p.102654. ISSN: 1878-8181. <a href="https://doi.org/10.1016/j.bcab.2023.102654">https://doi.org/10.1016/j.bcab.2023.102654</a> .	4.0
7.	David, A., Doss, A., <b>Pole, R.P.P.</b> , 2023 Biosynthesis of chromium oxide nanoparticles by <i>Momordica charantia</i> leaf extract: Characterization and their Antibacterial Activities. <i>Results in Surfaces and Interfaces</i> , 11: pp. 100120. ISSN: 2666-8459, <a href="https://doi.org/10.1016/j.rsurfi.2023.100120">https://doi.org/10.1016/j.rsurfi.2023.100120</a> .	-
8.	P. Suresh, A. Doss, G. Rajeswari, T. P. Kumari Pushpa Rani, <b>R. P. Praveen Pole</b> , and S. Satheesh, 2024. <i>Capparis zeylanica</i> -mediated Ag/ZnO nanoparticles and their antiproliferative efficacy via nuclear apoptosis. <i>Advances in Traditional Medicine</i> . Accepted for publication. DOI : 10.1007/s13596-024-00752-3.	2.0
9.	G. Rajeswari, A. Doss, <b>R. P. Praveen Pole</b> , and S. Satheesh, 2024. Antibiofilm effects of tannins from <i>Delonix elata</i> Linn. <i>Research Journal of Biotechnology-World Researchers Associations</i> . Accepted for publication.	0.9
10.	P. Suresh, A. Doss, G. Rajeswari, T.P. Rani, <b>R.P. Praveen Pole</b> and S. Satheesh, 2024. <i>Capparis zeylanica</i> -mediated Ag/ZnO nanoparticles and their antiproliferative efficacy via nuclear apoptosis. <i>Advances in Traditional Medicine</i> , Accepted for publication, <a href="https://doi.org/10.1007/s13596-024-00752-3">https://doi.org/10.1007/s13596-024-00752-3</a> .	2.0
11.	R. Rajalakshmi, N. Mukeshbabu, A. Doss, R. Arul Priya, T. P. Kumari Pushpa Rani, <b>R. P. Praveen Pole</b> and S. Satheesh, 2024. Phytochemical screening and in vitro anti-inflammatory properties of <i>Jatropha maheshwarii</i> Subram. & Nayar – an endemic plant. <i>Pharmacology Research-Natural Products</i> , 4: pp. 100058, <a href="https://doi.org/10.1016/j.prenap.2024.100058">https://doi.org/10.1016/j.prenap.2024.100058</a> .	-