

## REJI JOSEPH VARGHESE



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<b>Summary of Educational qualifications</b>	<ul style="list-style-type: none"><li>➤ <b>Ph.D (2013), Botany</b>, work done at Tropical Botanic Garden and Research Institute, under <u>University of Kerala</u>, India, Title: “<i>In vitro</i> studies and genetic diversity analysis in some selected bamboo species”.</li><li>➤ <b>BEd (1994) Natural Sciences</b>, - First class from <u>Mahatma Gandhi University</u>, Kerala, India.</li><li>➤ <b>M.Sc Botany</b> (Specialization in <b>Biotechnology</b>), 1993 - First Class from <u>Mahatma Gandhi University</u>, Kerala, India.</li><li>➤ <b>BSc Botany</b>, 1991- First class and gold medalist from <u>Mahatma Gandhi University</u>, Kerala, India.</li></ul>
<b>Professional interests</b>	<ul style="list-style-type: none"><li>➤ My research interest is in Plant tissue culture and metabolic engineering of medicinal plants for sustainable utilization and their conservation. I am equally interested in molecular systematics and phylogenetic studies of plants. In this line, presently we are working on biotechnological intervention for a stable production of secondary metabolites from a few medicinal plants.</li></ul>
<b>Research interest/ Research plan</b>	
<b>Teaching interests</b>	<ul style="list-style-type: none"><li>➤ Interested in taking classes professionally at graduate and post graduate level by imparting both theoretical and practical knowledge equally in learners</li></ul>
<b>Strength in teaching</b>	<ul style="list-style-type: none"><li>➤ Experienced in teaching on both basic and applied sciences such as biotechnology, molecular biology, plant tissue culture, genetics, genetic engineering and DNA fingerprinting.</li></ul>
<b>Strength in Research</b>	<ul style="list-style-type: none"><li>➤ Excellent expertise in plant tissue culture including setting up a plant tissue culture lab, hairy root culture and molecular biology especially in isolation of nucleic acids, separation of nucleic acids, PCR, DNA fingerprinting, phylogenetic analysis, genetic purity testing, gene expression studies, DNA sequencing etc.</li></ul>
<b>Academic merits/ Scholarships /awards received</b>	<ul style="list-style-type: none"><li>➤ <b>T.P. Moolayil memorial gold medal</b> for securing highest mark for B.Sc. Botany from St.Berchman's college, Changanachery-1991.</li><li>➤ <b>Senior Research Fellowship</b> of the Council for Scientific and Industrial Research, Govt. of India -April 2000.</li><li>➤ <b>'Best faculty of the University'</b>- Awarded by Sathyabama University-2009.</li><li>➤ Silver Award 2016- Malasia Agro Exposition Park, Sedang</li><li>➤ Best paper presentation awards in the year 2010, 2013, 2015&amp; 2017</li></ul>

<p><b>Duration of Employment/ Position and responsibilities held</b></p>	<ul style="list-style-type: none"> <li>➤ <b>5<sup>th</sup> February 2020 onwards:</b> Assistant Professor in Botany (Aided Stream), Madras Christian College, Chennai</li> <li>➤ <b>31<sup>st</sup> May 2013- 4<sup>th</sup> February 2020:</b> Associate Professor in Biotechnology, Department of Biotechnology, Sathyabama Institute of Science and Technology, Chennai- <b>Teaching and research.</b></li> <li>➤ <b>3<sup>rd</sup> Jan 2008- 31<sup>st</sup> May 2013:</b> Assistant Professor in Biotechnology, Department of Biotechnology, Sathyabama University, Chennai – <b>Teaching and Research</b></li> <li>➤ <b>27<sup>th</sup>Jan. 1997-31<sup>st</sup> Dec. 2007:</b> Research Fellow under different projects operated in Division of Plant Biotechnology and Bioinformatics, JNTBGRI, Palode, Trivandrum, Kerala, India- <b>Research</b></li> <li>➤ <b>1<sup>st</sup>June 1996- 25<sup>th</sup>Jan.1997:</b> Lecturer in Botany (on contract basis), St. Aloysius College, Edathua, M.G.University, Kottayam – <b>Teaching at undergraduate level</b></li> </ul>
<p><b>Research experience</b></p>	<ul style="list-style-type: none"> <li>➤ <b>Twenty three years</b> (1997-till date) of research experience evidenced by publications and patents in <b>Plant Tissue culture</b> (mass multiplication through direct and indirect organogenesis, somatic embryogenesis, shoot, callus, cell suspension cultures and hairy root cultures for secondary metabolite production (Hypericin, Hyperforin etc), <i>in vitro</i> flower induction (bamboos) etc. <b>Molecular Biology</b> (Plant genomic DNA isolation, mRNA isolation, plasmid isolation, quantification, PCR based DNA fingerprinting techniques like RAPD and ISSR, genetic data analysis, c-DNA synthesis and transcript profiling for differential expression of genes using subtraction analysis, DNA sequencing using automated multi-capillary DNA sequencer etc. ) <b>extraction and estimation procedures of phytochemicals</b> like hypericins, Saponins and andrographolides from both plant material as well as <i>in vitro</i> cultures of <i>Hypericum</i> sp, <i>Bacopa</i>, <i>Centella</i> and <i>Andrographis paniculata</i> respectively, from the Plant Biotechnology Division of Tropical Botanic Garden and Research Institute, Trivandrum, Centre for Bioresource Research and development, Sathyabama University and Department of Botany, MCC, Chennai.</li> </ul>
<p><b>Teaching experience</b></p>	<ul style="list-style-type: none"> <li>➤ <b>Fourteen years</b> of teaching experience at graduate and post graduate level.</li> </ul>
<p><b>Patent granted</b></p>	<ul style="list-style-type: none"> <li>➤ <b>Patent No. 224656 (Indian Patent)</b>, A novel process for the production of hypericin from shoot and callus cultures of <i>Hypericum hookerianum</i> Wight &amp; Arn: P.Padmash, S.Seeni, <b>J.V.Reji</b> and G.M.Nair</li> <li>➤ <b>Patent No. 239540 (Indian Patent)</b> A process patent titled “A novel process for sustainable production of bamboo seeds through combined <i>in vitro</i> flowering and <i>ex vitro</i> seeding” S.Seeni &amp; <b>J.V.Reji</b></li> </ul>
<p><b>Research papers published in International Journals</b></p>	<ul style="list-style-type: none"> <li>➤ Padmesh P., <b>J.V. Reji</b>, M. Jinish Dhar and S. Seeni (2006): Estimation of genetic diversity in varieties of <i>Mucuna pruriens</i> using RAPD, Biologia Plantarum 50 (3): 367-372P</li> <li>➤ Seeni S., Padmesh P., K.Satheeshkumar and <b>Reji JV</b>(2007) Bioproduction of plant-specific molecules and product development using <i>in vitro</i> cultures of Indian plants, International Journal on Applied bioengineering, Vol.1 No.1; 17-20</li> <li>➤ Padmesh P, <b>J.V. Reji</b>, C.Benadict Paul, S.Mukunthakumar, G.Praveen and S Seeni (2009). Analysis of genetic variability in two South Indian diploid <i>Musa</i> cultivars `Matti' (AA) and `Rasakadali' (AB) using randomly amplified polymorphic DNA, Biologia Plantarum 53 (4): 711-714</li> </ul>

National journals	<ul style="list-style-type: none"> <li>➤ C. G. Sudha, T. V. Sherina, V. P. Anu Anand, <b>J. V. Reji</b>, P. Padmesh, E. V. Soniya (2012) Agrobacterium rhizogenes mediated transformation of the medicinal plant Decalepis arayalpathra and production of 2-hydroxy-4-methoxy benzaldehyde, Plant Cell Tiss Organ Cult: DOI 10.1007/s11240-012-0226-6</li> <li>➤ <b>Reji Joseph Varghese</b> • Seeni Sooriamuthu (2013) Differences in hypericin synthesis between experimentally induced seedling shoot cultures of <i>Hypericum hookerianum</i> Wight &amp; Arn. Plant Biotechnol Rep DOI 10.1007/s11816-013-0289-9</li> <li>➤ Seeni Sooriamuthu , <b>Reji Joseph Varghese</b>, Anusha Bayyapureddy, Sathiya Seeli Theophiline John, Ravisankar Narayanan (2013) Light-induced production of antidepressant compounds in etiolated shoot cultures of <i>Hypericum hookerianum</i> Wight &amp; Arn. (Hypericaceae), Plant Cell Tiss Organ Cult, DOI 10.1007/s11240-013-0350-y</li> <li>➤ Manikantan Kuttapetty, Padmesh P. Pillai, <b>Reji J. Varghese</b>, Sooriamuthu Seeni (2014) Genetic diversity analysis in disjunct populations of <i>Rhododendron arboreum</i> from the temperate and tropical forests of Indian subcontinent corroborate Satpura hypothesis of species migration, Biologia, March 2014, Volume 69, Issue 3, pp 311-322</li> <li>➤ Didi Chinnu Raju and <b>Reji J.V.</b> (2015) Genetic diversity analysis in Palmyrah palms using RAPD, Int J Pharm Bio Sci 2015 April; 6(2): (B) 244 – 250</li> <li>➤ Sai Nandhini R, Anusha Bayyapureddy and <b>JV Reji</b> (2015) An Enhanced In-Vitro Production of Saponins and Other Bioactives from <i>Bacopa monnieri</i> L. Penn.RJPBCS 6(3) 446-451</li> <li>➤ <b>Reji Joseph Varghese</b>, Anusha Bayyapureddy, Pradeep P.S. Seeni Sooriamuthu (2016) A high efficiency in vitro regeneration protocol and clonal uniformity analysis in <i>Hypericum hookerianum</i> Wight &amp; Arn. A lesser known plant of ethnomedicinal and economic importance, Brazilian Journal of Botany, Volume 39, Issue 1, pp 377-386; DOI:10.1007/s40415-015-0201-7</li> <li>➤ Didi Chinnu Raju, <b>Reji Joseph Varghese</b>, Nancy Biji (2017) In vitro Production of Neurologically active Phytoconstituents from an elite Chemovariant of <i>Centella asiatica</i> (L.), identified from south Indian Populations Research Journal of Pharmacy and Technology Vol10(7): 2095-2100; DOI: 10.5958/0974-360X.2017.00366.3</li> <li>➤ Antony V Samrot, Sai Priya C, Jenifer Selvarani A, Venket Subbu R, Jane Cypriyana PJ, Lavanya Y, Shehanaz Afreen, Soundarya P, Sherly Priyanka R B, Sangeetha P, <b>Reji Joseph Varghese</b> and Suresh Kumar S (2020) A study on influence of superparamagnetic iron oxide nanoparticles (SPIONs) on green gram (<i>Vigna radiata</i> L.) and earthworm (<i>Eudrilus eugeniae</i> L.). Mater. Res. Express 7 (2020) 055002; <a href="https://doi.org/10.1088/2053-1591/ab8b17">https://doi.org/10.1088/2053-1591/ab8b17</a></li> <li>➤ Asha K.I., G.M.Nair, P.Padmash, M.C.Nair and <b>J.V.Reji</b> (2006): Interrelationships among sps of <i>Dioscoria</i> revealed by morphological traits and RAPD markers., Ind. Jl. of Plant Genetic Resources, Vol 19, No.1, :40-46 P</li> </ul>
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<p>International conferences</p>	<ul style="list-style-type: none"> <li>➤ Shrimathi V, Ranjith Kumar D.M, Ramesh Kumar V, <b>Reji J.V.</b> (2020) Potential Use of Chemically Synthesized Iron-Pyrite Nanoparticles in Enhancing Plant Growth, International e-Conference on Bioengineering for Health &amp; Environment (ICBHE) July 16<sup>th</sup> &amp; 17<sup>th</sup>, 2020, Published in Platinum Open Access Journal (ISSN 2668-6384) under Proceedings, Abstract Volume 2, Issue 1, 2020, 11 <a href="https://doi.org/10.33263/Proceedings21.011011">https://doi.org/10.33263/Proceedings21.011011</a></li> <li>➤ Nancy Biji and <b>Reji Joseph Varghese</b> (2019) Enhanced <i>in vitro</i> production of Pharmacologically active saponins from <i>Centella asiatica</i>, an ethanomedicinal plant. International Conference on <i>Emerging Perspectives in Bioengineering and Biomedical informatics with special relevance to ethno-medicine in human Health</i> organized by SIST, Chennai during 25<sup>th</sup> – 27<sup>th</sup> March, 2019</li> <li>➤ Lavanya V and <b>Reji Joseph Varghese</b> (2019) Sustainable production of pharmacologically active biomolecules from <i>in vitro</i> shoot cultures of <i>Hypericum hookerianum</i>, an ethnomedicinal plant of Western Ghats. International Conference on <i>Emerging Perspectives in Bioengineering and Biomedical informatics with special relevance to ethno-medicine in human Health</i>, Organized by SIST, Chennai during 25<sup>th</sup> – 27<sup>th</sup> March, 2019</li> <li>➤ Priyanka A.P.S., Geervani G.V. and <b>Reji Joseph Varghese</b> (2019) anti cancer activity of <i>in vitro</i> produced saponins from shoot and cell cultures of <i>Bacopa monnieri</i>. International Conference on <i>Emerging Perspectives in Bioengineering and Biomedical informatics with special relevance to ethno-medicine in human Health</i> organized by SIST, Chennai during 25<sup>th</sup> – 27<sup>th</sup> March, 2019</li> <li>➤ Shrimathi V, Ranjith Kumar D.M and <b>Reji J.V.</b>(2019) <i>In vitro</i> conservation of <i>Hypericum hookerianum</i> and feasibility analysis on commercial production of hypericin, a natural therapeutic secondary metabolite. International conference on advances in medical and industrial biotechnology(ICAMIB-2019), Organized by Centre for nanoscience and nanotechnology, SIST, Chennai during 20-22 March 2019</li> <li>➤ Dhanawantari Singha, Karuna Kumari and <b>Reji J.V.</b>(2018) <i>In vitro</i> root propagation and establishment of hairy roots in <i>Withania somnifera</i> L (Dunal)-a medicinally important plant, Proceedings of the 7<sup>th</sup> Global summit on medicinal aromatic plant, Organized by VSRF, Bangalore and National Medicinal plant Board, at Thailand on Nov 19-21</li> <li>➤ <b>Reji J.V.</b>, Didi Chinnu Raju and Nancy Biji (2018) Optimization and mass production of auxin induced adventitious roots from <i>Cetella asiatica</i> for <i>in vitro</i> production of secondary metabolites. International conference on bioengineering on health and environment, Organized by SIST, Chennai during 8-10 Jan 2018</li> <li>➤ Sivaneswari A P Chalaperummal, Rozlaily BT Zainol, <b>Reji Joseph S.Seeni</b> (2016) Analogy of RAPD and ISSR markers : DNA based technology in assessing genetic diversity among <i>Manilkara zapota</i> (Ciku) genotype</li> <li>➤ Anusha B, <b>Reji J.V.</b>, Riya Kochuthresisa R., Karunakumari K., S.Seeni (2013) <i>In vitro</i> shoot multiplication for the production of Bacosides from <i>Bacopa monnieri</i> (L.) Pennel Oral presentation in 'International conference on sustainable utilization, management and conservation of bioresources (ICSMCB 13)' –organized by</li> </ul>
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National conferences	<p>Department of Botany, St. Joseph's College, Trichy, Tamilnadu, during 10<sup>th</sup> -11<sup>th</sup> Jan 2013</p> <ul style="list-style-type: none"> <li>➤ Dhanawantari L. Singha Karuna Kumari and <b>Reji J.V.</b> (2015) In vitro studies on inherent root regeneration potential and establishment of hairy root in <i>Withania somnifera</i> (Dunal) – a medicinally important plant, Oral presentation in the International conference on Harnessing the Sub- Himalayan plant diversity for human Welfare. Organized by Dibrugarh University, Dibrugarh held on 11-13 March 2015. Abstract: P:113</li> <li>➤ Sathyaseeli T.J., Anusha B., <b>Reji J.V.</b>, Seeni S. (2013) In vitro propagation of <i>Hypericum hookerianum</i> Wight &amp; Arn. for hypericin production. Oral presentation in 'International conference on sustainable utilization, management and conservation of bioresources (ICSMCB 13)' –organized by Department of Botany, St. Joseph's College, Trichy, Tamilnadu, during 10<sup>th</sup> -11<sup>th</sup> Jan 2013</li> <li>➤ Seeni S., Pradeep P.S. and <b>Reji J.V.</b> (2011) Morphogenetic and Biosynthetic potentials of in vitro cultures of <i>Hypericum hookerianum</i> Wight and Arn. (Clusiaceae), Oral presentation in the 3<sup>rd</sup> international conference on medicinal plants and herbal products, organized by faculty of medicine and the institute of indigenous medicine, University of Colombo, Sri Lanka, held on 19<sup>th</sup> -21<sup>st</sup> Dec. 2011, OP78, Abstract Pp 64.</li> <li>➤ S. Seeni, <b>J.V. Reji</b>, P. Padmesh and Satheeshkumar K (2010) Biotechnology based process and product development in Medicinal plants, Oral presentation in International conference on medicinal plants and herbal drugs: Challenges and opportunities in cultivation sustainable utilization and conservation held on 4-6 March 2010, Abstract Pp51</li> <li>➤ G Edward Gnana Jothi and <b>J.V. Reji</b> (2010) Micropropagation studies on <i>Terminalia Bellerica</i>: An Endangered medicinal plant, Oral presentation in International conference on medicinal plants and herbal drugs: Challenges and opportunities in cultivation sustainable utilization and conservation held on 4-6 March 2010 (Won best oral presentation award)</li> <li>➤ Reji J.V., Mahalakshmi A, Divya R, Dhanam and Priya M (2017) An improved <i>in vitro</i> production of neuroprotective saponins and other phytochemical constituents through cell suspension cultures and selected somaclones of <i>Bacopa monnieri</i> L. Penn., National Conference on applied Science and Engineering for health and engineering held at Sathyabama University Chennai on 23-24 February 2017</li> <li>➤ Reji J.V. and Didi Chinnu Raju (2017) In vitro propagation and development of root cultures for enhanced production of phytoconstituents in <i>Centella asiatica</i>, National conference on recent trends in Biotechnology and its applications held at Vels University, Chennai on 9-10 February 2017 (Oral presentation)</li> <li>➤ Sai Nandhini, <b>Reji J.V.</b> and Anusha Bayyapureddy (2015) Comparative analysis of direct and indirect regenerants in <i>Bacopa monnieri</i> using biochemical and molecular methods, 4<sup>th</sup> national conference on transfigures in Bioscience and technology held at Madha Engineering College on 6<sup>th</sup> March 2015 (Won Best performer)</li> </ul>
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<p><b>GenBank Submissions</b></p> <p><b>Membership in Scientific societies</b></p> <p><b>Seminars/ Symposiums/ workshops organized/ participated</b></p>	<p>award)</p> <ul style="list-style-type: none"> <li>➤ Anusha B., Sathyaseeli T.J., Seeni S., <b>Reji J.V.</b> (2013) Biosynthesis and characterization of silver nanoparticles using <i>Hypericum hookerianum</i> shoot extracts. Oral presentation in MAHER National Summit on 'Current research in science'-organized by Meenakshi Academy of Higher education and Research (MAHER) , Meenakshi University, Chennai during 12<sup>th</sup>-13<sup>th</sup> Dec 2013.</li> <li>➤ Ravisankar Narayan, Nixon Raj, Pradeep PS, Reji JV and S.Seeni (2013) Significant presence of hyperforin in auxin induced shoot cultures of <i>Hypericum hookerianum</i> Wight&amp;Arn. (Hypericaceae), Oral presentation in the National conference on New Vistas and challenges in chemistry organized by Sathyabama University and Department of Science and technology on 23-25<sup>th</sup> Jan 2013. Abstract P:15.</li> <li>➤ Didi Chinnu Raju, <b>Reji J.V.</b>, and Seeni S. (2011) RAPD assisted diversity analysis and gender specific molecular marker development in <i>Borassus flabellifer</i> L. (oral presentation in National congress on Bioscience Research , organized by Biolim Centre for life Science and Ethiraj College for women, Chennai, August 26<sup>th</sup> and 27 2011) Abstracts Pp 64</li> <li>➤ S.Seeni and <b>J.V.Reji</b> (2010) patentable tissue culture based process and product development from native medicinal plants, Oral presentation in national conference on herbal medicine organized by the department of Botany, School of life Sciences, Bharatiar University, Coimbatore, Sept 8-9, 2010, Abstract Pp 13-14</li> <li>➤ Padmesh.P, <b>Reji J.V</b>, Purushothama M.G and Seeni S Isolation and characterization of Polyketide Synthase (PKS) genes involved in hypericin biosynthesis from <i>Hypericum hookerianum</i> - Presented in the Fourth Asia Pacific Conference on Plant Tissue Culture and Agribiotechnology (APaCPA) held at Kuala Lumpur, Malaysia from 17-21<sup>st</sup> June 2007</li> <li>➤ <b>Reji, J.V.</b> and S.Seeni (2005) Profusion of <i>in vitro</i> flowering and <i>ex vitro</i> seeding in the thorny bamboo, <i>Bambusa arundinacea</i> (Retz) Willd. Oral presentation&amp; published in Proc. XVII Kerala Science Congress (Extended abstract) 232-233 P</li> <li>➤ <b>J.V. Reji</b>, P.Padmash, and S. Seeni.(2004): Comparative Analysis on Genetic Diversity of Reed Bamboos Using RAPD and ISSR Markers (oral presentation in the National seminar on New Frontiers in Plant Taxonomy and Biodiversity Conservation organized by IAAT at Thiruvananthapuram from 29-31 Dec.2004)</li> <li>➤ 15 EST sequences submitted in the GenBank database. The accession numbers are: EE665978 to EE665992</li> <li>➤ EST No EF 186910 - PKS ORF coding for 390 amino acids</li> <li>➤ Life member, Society of Biological Chemists (India), Reg.No.1578/2004</li> <li>➤ Participated in National Webinar on Shola Forest- A paradise of Biodiversity organized by Bishop Heber College, Tiruchirapalli on 30th June 2020.</li> <li>➤ Participated in National Webinar on Biodiversity Conservation during</li> </ul>
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	<p>Covid-19, organized by Andhra Loyola College on 13th June 2020.</p> <ul style="list-style-type: none"> <li>➤ Participated in National Webinar on Intellectual Property rights organized by Madras Christian College, Chennai, on 6th June 2020.</li> <li>➤ Participated in National Webinar on Laboratory Safety Practices organized by Department of Chemistry, SIES College of Arts, Science and Commerce (Autonomous), Sion (West), Mumbai on 31st May 2020</li> <li>➤ Participated in the Online Webinar on Effective Teaching Pedagogy organized by Stella Maris College, Chennai on 14<sup>th</sup> May 2020</li> <li>➤ Participated in DBT Sponsored National symposium on The Application of genomics and Proteomics in Aquaculture, Fisheries and Marine biology , held during 20-21 June 2018</li> <li>➤ Organizing member in a National workshop on Agricultural waste utilization for sustainable development, organized by Dept of Biotechnology SIST, Chennai during 29-31<sup>st</sup> August 2018</li> <li>➤ Organizing member in International conference on Bioengineering on health and environment, organized by Sathyabama Institute of Science and Technology during 8-10 Jan 2018.</li> <li>➤ Attended a one day training programme on Indian Patenting and filing procedures organized by RGNIPM, Nagpur and SIST, Chennai on 19<sup>th</sup> Aug 2017.</li> <li>➤ Resource person in National workshop on techniques in Biotechnology organized by Department of Biotechnology SIST, during 18-22 July 2017</li> <li>➤ Organizing member and resource person in 2<sup>nd</sup> National workshop on in vitro and in silico approaches in screening of phytochemicals and its bioactivity studies organized by School of Bio and Chemical Engineering, SIST during March 20-25<sup>th</sup> 2017</li> <li>➤ Participated in National Seminar on 'Quality Higher Education 2017 held at Sathyabama University on April 28-29, 2017</li> <li>➤ Resource person in a National Seminar on Herbal drug research –a nano molecular level exploration, organized by Nirmala College of Pharmacy, Kerala on 24<sup>th</sup> Sept 2016.</li> <li>➤ Participated in international seminar on “Challenges in commercialization of viral rapid diagnostics and therapeutics”- organized by Centre for Drug Discovery and Development , Sathyabama University in association with DBT-BIRAC and Innovation Knowledge Progress on 8<sup>th</sup> March 2016</li> <li>➤ Chairperson in the National conference on Applied Science and Engineering for Health and Environment (NASHE'16)”- organized by Faculty of Bio and Chemical Engineering, Sathyabama University, Chennai during 24<sup>th</sup> and 25<sup>th</sup> February 2016.</li> <li>➤ Co-organizer and resource person in National Level workshop on “Value addition and Quality assurance in Bioresource Products”- organized by Centre for Bioresource Research and Development, Sathyabama University, Chennai during 29<sup>th</sup>- 31<sup>st</sup> 2014.</li> <li>➤ Co-Chair person in the National level Student Seminar on “ Applied science in health and Environment”-organized by Faculty of Bio and Chemical Engineering during 28<sup>th</sup>- 29<sup>th</sup> July 2014</li> <li>➤ Resource person in the Faculty development programme on “Molecular Techniques”-organized by Sathyabama University, Chennai during 10<sup>th</sup> -12<sup>th</sup> June 2013</li> <li>➤ Organizing member in the National conference on “Algae and Algal products”- organized by Sathyabama University Chennai, Sea weed Research and Utilization Association, Tuticorin and Krishnamurthy Institute of Algology, Chennai during 22<sup>nd</sup> -24<sup>th</sup> September 2011.</li> <li>➤ Co-organizer and resource person in “ Short term hands on training in Cell, Molecular and Nanotechniques”- organized by Centre for Bioresource Research and Development, Sathyabama University, Chennai during 05<sup>th</sup> -10<sup>th</sup> April 2010</li> <li>➤ Participated in 4<sup>th</sup> International Symposium on “ Recent trends in</li> </ul>
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<p><b>Faculty development programmes/ NPTEL courses/ Refresher courses attended</b></p>	<p>Macromolecular Structure and Function"- Organized by Centre for Advanced study in Crystallography and Biophysics, University of Madras, Chennai during Jan. 21<sup>st</sup>-23<sup>rd</sup> , 2010</p> <ul style="list-style-type: none"> <li>➤ Organizing member in "Chrysalis – A national Technical Symposium" –organized by Department of Biotechnology, Sathyabama University, Chennai during 10<sup>th</sup> -11<sup>th</sup> August 2009)</li> <li>➤ Organizing member in National Conference on Biotechnological intervention for conservation and sustainable utilization of bioresources" sponsored by DST &amp; CSIR and organized by Department of Biotechnology, Sathyabama University, Chennai during 7<sup>th</sup> -9<sup>th</sup> August 2008.</li> <li>➤ Organizing member in National seminar cum workshop on "Nanotechnology and Nanobiotechnology"-organized by Department of Biotechnology, Sathyabama University, Chennai during 14<sup>th</sup> -16<sup>th</sup> February 2008.</li> <li>➤ Participated in international conference on "Applied Bioengineering (iCAB07)-organized by Sathyabama University, Chennai and National Institute of Ocean Technology (NIOT), Govt. of India Chennai during 5<sup>th</sup> -7<sup>th</sup> December 2007.</li> <li>➤ National level seminar on "Trends in the versatile techniques of HPLC" Jointly organized by Asian and Middle East Institute of Chemists (AMIC), and Amrutha Institute of Medical Sciences and Research Centre (AIMS) Kochi, held during 4<sup>th</sup> and 5<sup>th</sup> November 2005.</li> <li>➤ National seminar on "Trends in Biotechnology"- organized jointly by Tropical Botanic Garden and Research Institute and Society for Biotechnologists (India) held on 24<sup>th</sup> July 2002</li> <li>➤ National level workshop on "Recombinant DNA Technology"- organized by Central facility for Biotechnology teaching and Research, Madurai during 29<sup>th</sup> Sept.- 8<sup>th</sup> Oct. 2000.</li> </ul> <ul style="list-style-type: none"> <li>➤ Attended National workshop on Science Academie's Science leadership Programme organized by Central University of Punjab during June 22 - June 28, 2020.</li> <li>➤ Attended five day online Faculty Development Programme on Evolution from Offline to Online Teaching, organized by Sathish Pradhan Dnyanasathana College, Thane in association with the Information Technology University of Mumbai and MICROSOFT from 30<sup>th</sup> May - 3<sup>rd</sup> June 2020.</li> <li>➤ Attended online Workshop on Introduction to Research Based Pedagogical Tools (RBPTs) 18<sup>th</sup> to 23<sup>rd</sup> May 2020, organized by Center of Excellence in Science and Mathematics Education (CoESME) established under MHRD's Pandit Madan Mohan Malaviya National Mission for Teachers and Teaching (PMMNMTT) scheme at Indian Institute of Science Education and Research (IISER) Pune and Wilson College, Mumbai</li> <li>➤ Attended a Science Academy's refresher course on Bioprospection of bioresources; land to lab approach during 4-18<sup>th</sup> Jan 2018, at St Joseph's College, Trichi</li> <li>➤ Nanotechnology in Agriculture (NPTEL-AICTE /FDP) Aug-Oct 2018 Topper</li> <li>➤ Nanotechnology in Agriculture (NPTEL Course) Top performing mentor- July to Oct 2018</li> <li>➤ Human Molecular genetics (NPTEL Course)-Feb March 2018</li> <li>➤ Attended a DBT sponsored workshop on 'Workshop and training on sequence analysis and molecular simulation. During 12-15 Dec 2017.</li> <li>➤ Cell culture technologies (NPTEL Course)-Elite Aug –Oct 2017</li> </ul>
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**MPhil studies supervised/guided: 2**



- ISSR mediated genetic diversity analysis and screening of male and female palmyrah palms, MPhil thesis completed by Ms. Pratyusha Dhanekula (2013)
- *In vitro* responses in *Terminalia* species: A comparative study, MPhil thesis completed by G. Edward Gnana Jothi (2010)

**Graduate/ Postgraduate Studies Supervised/guided: 25**

**Declaration:**

**I here by declare that the above stated facts are true to the best of my knowledge**

**J.V. Reji**