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Associate Professor

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Academic Qualifications:

M.Sc., M.Phil., Ph.D.

Degree	University	Year	Subjects	Percentage
B.Sc.,	Madura College, Madurai – 625 001.	1987	Botany	I
M.Sc.,	School of Biological Sciences Madurai Kamaraj University, Madurai – 625 021.	1990	Biology	I
M.Phil.,	School of Energy Sciences Madurai Kamaraj University, Madurai – 625 021.	1991	Energy, Environment & Natural Sciences	I
Ph.D.,	Centre for Plant Molecular Biology School of Biotechnology, Madurai Kamaraj University, Madurai – 625 021.	1998	Biotechnology	Highly Commended

Teaching Experience:

20 Years

Research Experience:

20 Years

Areas of Research

1. Genetic engineering for abiotic stress tolerance in food crops (Rice and Millets)
2. *Ex situ* conservation of Indian medicinal plants with therapeutic uses
3. Enhancement of commercially important phytochemicals

Research Supervision / Guidance

Program of Study		Completed	Ongoing
Research	Ph.D.	6	7
	M.Phil.	3	Nil
Project	PG	49	4
	UG / Others (ADMD)	1	Nil

Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books / Chapters / Monographs / Manuals
44	69	8	79	8

Cumulative impact factor	: 86.226
h-index	15
i10 index	21
Total Citations	600

Funded Research Projects

Completed Projects

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1	SERB,DST	11.07.2013	10.07.2016	Micropropagation and reintroduction of endangered medicinal plant <i>Nilgirianthus ciliatus</i> (Nees) Bremek	15.28
2	CSIR,GOI	01.05.2012	31.04.2015	Development of abiotic stress tolerant <i>indica</i> rice lines (IR 64) with Stress Associated Protein gene (SAP8) through <i>Agrobacterium</i> – mediated transformation	24.52

3	UGC,GOI	01.02.2009	31.01.2012	<i>In vitro</i> selection and <i>Agrobacterium</i> - mediated transformation studies for developing drought and salinity tolerant <i>indica</i> rice (<i>Oryza sativa</i> L.)	12.30
4	UGC,GOI	01.04.2007	31.03.2008	<i>In vitro</i> micropropagation from different explants of <i>Jatropha curcas</i> . L – A potential energy source for the mass production of renewable energy (Bio-diesel).	0.95
5	DBT (SPD),GOI	01.04.2001	31.03.2003	Cultivation of Oyster Mushroom & Processing	9.38

Distinctive Achievements / Awards

1. Ananthalakshmi Ramulu Iyer Prize for Proficiency in Botany (B.Sc.) – 1988.
2. Narasimha Iyengar Prize for Proficiency in Chemistry and Zoology (B.Sc.) – 1988.
3. National Eligibility Test (NET) for Junior Research Fellowship & Lectureship conducted by Council of Scientific & Industrial Research(CSIR) and University Grants Commission(UGC), Government of India, New Delhi (Register No.12568; Ref No.2-10/92- E.U.11/ Dec, 91 dt.05.05.1992).
4. Eminent Scientist Award by Biologix Research & Innovation Centre Pvt. Ltd (BRICPL) India – 2017.
5. Bose Science Society Award, Tamilnadu Scientific Research Organization, Pudukottai – 2017.
6. Alagappa Excellence Award for Research (2018) (Certificate, Citation and Gold Medal and Cash award of Rs. 15000) – 2018.

Events organized in leading roles

Number of Seminars / Conferences / Workshops / Events organized: 5

Membership in

Professional Bodies

1. Life Member: Society of Biological Chemists, India.
2. Life Member: The Indian Science Congress Association, India.
3. Life Member: Proteomics Society, India.
4. Life Member: Biotech Research Society, India.
5. Life Member: Bose Science Society, Tamilnadu Scientific Research Organization
6. Life Member: National Academy of Biological Sciences (NABS) (LM 045-18)
7. Life Member: Indian Botanical Society (IBS)
8. Life Member: Medicinal and Aromatic Plants Association of India (MAPAI)

Editorial Board

1. Academic Editor of International Journal of Plant & Soil Science
2. Advisory Board Member - Medical Plants –International Journal of Phytomedicines & Related Industries (ISSN: 0975-4261).

Additional Responsibilities

1. Member of the Standing Committee on Academic Affairs (SCAA) under Section 24(2) (a) Clause II of the Alagappa University Act 1985, with effect from 30.06.2018.
2. Department level SWAYAM & NAD Coordinator for M.Sc. Biotechnological Students and Students of Govt. Arts College, Tiruvadanai.
3. Coordinator, Centre for Youth Welfare, Alagappa University.

Academic Bodies (such as Board of Studies etc.,)

1. Special Invitee of the Board of Studies in M.Sc., Biotechnology, Alagappa University (2003 onwards).
2. Member of the Board of Studies in B.Sc., Biotechnology of Affiliated Colleges of Alagappa University (2009 - 2017).
3. Member of the Board of Studies in B.Sc., Zoology (Animal Biotechnology) of Affiliated Colleges of Alagappa University (2009 - 2017).
4. Member of the Board of Studies in M.Sc., Botany of Affiliated Colleges of Alagappa University (2011- 2017).
5. Member of the Board of Studies in B.Sc., Biochemistry, Alagappa University (2011-2017).
6. Member of the Board of Studies in B.Sc., Biotechnology, Alagappa University (2012-2017).
7. Member of the Board of Studies in B.Sc. and M.Sc., Biotechnology, SNR College, Coimbatore (2013-2017).
8. Member of the Board of Studies in M.Phil., Biotechnology, Alagappa University (2013).
9. Deputy Coordinator of Intellectual Property Rights Cell, Alagappa University (2013 – 2016).
10. Member of the Board of Studies in B.Sc., Biotechnology of Affiliated Colleges of Alagappa University (2015-2017).

Expert /Inspection/Assessment Committee member

1. Subject Expert for the interview committee for recruiting Lecturer in Botany at P.T.M.T.M College, Kamuthi (2009).
2. Assessment Committee Member to assess the work of A. Kalaiarasi for the upgradation of JRF to SRF under the Rajiv Gandhi National Fellowship

scheme held on 15.10.2009.

3. Expert Committee Member to assess the academic and infrastructural facilities for recommending affiliation of M.Sc., Botany Programme to Department of Botany, Alagappa Govt. Arts College, Karaikudi (2011).
4. Inspection Committee member to assess the infrastructure and expertise available at the Department of Botany, Alagappa Arts College, Karaikudi for recognition as Approved Research Centre of Alagappa University (2011).
5. Expert Committee Member to assess the Course contents of Botany, Samacheer Kalvi Subjects Workshop held at Alagappa Matriculation Higher Secondary School, Karaikudi (2011).
6. Inspection Committee member to assess the infrastructure and expertise available at the Department of Botany, Pasumpon Thiru Muthuramalinga Thevar Memorial College, Kamuthi (2012).
7. DBT outside External Expert in IBSC (Institutional Biosafety Committee) for DST Project at Ayya Nadar Janaki Ammal College (2013).
8. Inspection Committee Member for recognition of Approved Research Centre for Botany in Affiliated Colleges of Alagappa University (2013).
9. Member of the Inspection Squad for Alagappa University Examinations of Affiliated Colleges of Alagappa University (2015).
10. Inspection Committee member to inspect the academic and infrastructural facilities for the grant of affiliation of B.Sc. Biotechnology Programme, Vidhyaa Giri College of Arts and Science, Pudukkottai (2017).
11. Acted as reviewer to assess DBT (GoWB - West Bengal Govt) proposal entitled "DNA Fingerprint of fresh leaves of medicinal plants by random amplified polymorphic DNA (RAPD) – PCR Method for Authentication" (2017).

Doctoral Committee member

1. Member of Doctoral Committee for the Biotechnology Ph.D., Student Mr. Rajinikanth Garapati of JJ College, Pudukkottai (2012).
2. Member of Doctoral Committee for the Microbial Biotechnology Ph.D., Student Ms. B. Thazeem of Bharathiar University, Coimbatore (2016).
3. Doctoral committee External Expert member for the Biotechnology student Mr. M. Saravanan of Bharathiar University, Coimbatore (2017).

Others

1. Reviewer for many Journals like PLOS ONE, Applied Biochemistry and Biotechnology (Springer, US), Plant Cell Tissue and Organ Culture (Kluwer

academic Publishers, Netherlands), Journal of Environmental Biology (Lucknow, India), Journal of Biotechnology (Elsevier, Germany), Acta Physiologiae Plantarum (Springer, Poland), Trees (Springer, Germany), Indian Journal of Experimental Biology (NISCAIR, CSIR, India), Rice Science (Elsevier, China), Journal of Medicinal Plants Research (Academic Journals), Natural Product Radiance (CSIR, NISCAIR, India), Maejo International Journal of Science and Technology (Japan), Agricultural Science Research (Saudi Arabia), Physiology and Molecular Biology of Plants (Springer, India), Journal of Applied Phycology (Springer, Netherlands), Rice Science, Gene Reports, Journal of Biotechnology and Molecular Biology, 3Biotech (Springer India), Flavour and Fragrance, SpringerPlus, Plant Cell Biotechnology and Molecular Biology, Pharmaceutical Biology (Taylor & Francis), Physiology and Molecular Biology of Plants, BMC Genomics, Plant Cell Biotechnology and Molecular Biology, Genome, Horticultural science.

2. Number of Invited / Special Lectures delivered: **24**
3. No. of PhD Thesis evaluated : **5**
4. No. of PhD Public Viva Voce Examination conducted : **7**
5. Novel unique, combined abiotic stress (CABs) and combined abiotic stress transcription factor genes identified: **206**

Research & Review Articles

1. Pandian S, Marichelvam K, Satish L, Ceasar SA, Pandian SK, Ramesh M (2018) SPAR markers assisted assessment of genetic diversity and population structure in finger millet (*Eleusine coracana* (L.) Gaertn) mini core collection. *Journal of Crop Science and Biotechnology* 21:469-481 (Springer, Switzerland)
2. Rathinapriya P, Satish L, Rameshkumar R, Pandian S, Rency SA, **Ramesh M** (2018). Efficient plant regeneration from leaf base segments of foxtail millet (*Setaria italica* (L.) Beauv.) genotypes using activated charcoal and amino acids. *Physiology and Molecular Biology of Plants*, (Springer, India) (IF: 1.151)
3. Rameshkumar R, Satish L, Pandian S, Rathinapriya P, Rency AS, Gowrishankar S, Pandian SK, David W. M. Leung, **Ramesh M** (2018). Production of squalene with promising antioxidant properties in callus cultures of *Nilgiranthus ciliatus*. *Industrial Crops and Products* [Elsevier, Ireland] 126: 357–367 (IF: 3.849).
4. Rency AS, Pandian S and **Ramesh M** (2018). Influence of adenine sulphate on multiple shoot induction in *Clitoria ternatea* L. and analysis of phyto-compounds in *in vitro* grown plants. *Biocatalysis and Agricultural Biotechnology* [Elsevier] 16: 181-191. DOI: 10.1016/j.bcab.2018.07.034. (RG Journal Impact: 1.96).
5. Muthuramalingam P, Krishnan SR, Pandian S, Mareeswaran N, Aruni W, Pandian SK and **Ramesh M** (2018). Global analysis of threonine metabolism genes unravel key

- players in rice to improve the abiotic stress tolerance. *Scientific Reports* [Nature Publishing Group, UK] 8; 9270. doi.org/10.1038/s41598-018-27703-8 (IF: 4.259)
6. Pandian S, Satish L, Rameshkumar R, Muthuramalingam P, Rency SA, Rathinapriya P & **Ramesh M (2018)** Analysis of population structure and genetic diversity in an exotic germplasm collection of *Eleusine coracana*(L.) Gaertn. using genic-SSR markers. *Gene*.653: 80 -90. DOI: 10.1016/j.gene.2018.02.018.
 7. Krishnan SR, Muthuramalingam P, Pandian S, Banupriya R, Chithra G and **Ramesh M (2018)**. Sprouted sorghum extract elicits coleoptile in indica rice and enhances its shoot and root acclimatization, maintaining its genetic fidelity (R-ISSR). *Rice Science* [China National Rice Research Institute, Hangzhou, Elsevier] 25(2):61-72 (RG impact: **1.29**) 24(6) ISSN: 1672-6308.
 8. Muthuramalingam P, Krishnan S R, Saravanan K, Mareeswaran N, Kumar R and **Ramesh M (2018)** Genome-wide identification of major transcription factor superfamilies in rice identifies key candidates involved in abiotic stress dynamism. *Journal of Plant Biochemistry and Biotechnology* (Springer, India) (DOI: org/ 10.1007/s 13562-0440 -3) (IF: **0.954**).
 9. Satish L, Rency AS and **Ramesh M (2018)** Spermidine sprays alleviate the water deficit- induced oxidative stress in finger millet (*Eleusine coracana* L. Gaertn.) plants. *3 Biotech* (Springer, India) 8: 1- 11 (DOI: 10.1007/s13205-018-1097-2) (Impact Factor: **1.361**).
 10. Rameshkumar R, Rathinapriya P, Satish L, Pandian S, Rency AS and **Ramesh M (2017)**. *In vitro* propagation and conservation of useful endangered medicinal plants with anticancer activity. *Journal of Molecular Biology and Biotechnology* [iMedPub Journals, USA] 2(3):8.
 11. Satish L, Santhakumari S, Gowrishankar S, Ravi AV, Pandian SK and **Ramesh M (2017)**. Rapid biosynthesized AgNPs from *Gelidiella acerosa* aqueous extract mitigates quorum sensing mediated biofilm formation of *Vibrio* species - An in vitro and in vivo approach. *Environmental Science and Pollution Research* [Springer, Berlin Heidelberg] DOI: 10.1007/s11356-017-0296-4. (IF – **2.741**).
 12. Pandian S, Muthuramalingam P and **Ramesh M (2017)**. ESTs as a resource for gene discovery and population genetic analysis of crop plants. *MOJ Cell Science and Report*. 4 (4): 00096 DOI: 10.15406/mojcsr.2017.04.00096.
 13. Muthuramalingam P, Krishnan SR, Pandian S and **Ramesh M (2017)**. Emerging trends on abiotic stress tolerance investigation in crop plants. *Advances in Biotechnology and Microbiology*. 6: 1. 6(1): 555678. DOI: 10.19080/AIBM.2017.06.555678.
 14. Satish L, Rency AS, Rathinapriya P and **Ramesh M (2017)**. Improved *Agrobacterium*- mediated transformation and rapid regeneration in four cultivars of

- finger millet (*Eleusine coracana* (L.) Gaertn.). *Plant Cell Tissue and Organ Culture* [Springer] 131:547–565. DOI: 10.1007/s11240-017-1305-5. (IF – **2.002**).
15. Muthuramalingam P, Krishnan SR, Pothiraj R and **Ramesh M (2017)**. Global transcriptome analysis of combined abiotic stress signaling genes unravels key players in *Oryza sativa* L.: An *in silico* approach *Frontiers in Plant Science*. **8:759**. doi: **10.3389/fpls.2017.00759** (Impact factor: **4.495**).
 16. Rency AS, Satish L, **Ramesh M (2016)** *In vitro* propagation and genetic fidelity analysis of alginate encapsulated *Bacopa monnieri* shoot tip using *Gracilaria salicornia* extracts. *Journal of Applied Phycology* [Springer, Netherlands] doi: **10.1007/s10811-016-0918-0** (Impact Factor: **2.372**).
 17. Rameshkumar R, Largia M V, Satish L, Shilpha J, **Ramesh M (2017)** *In vitro* mass propagation and conservation of *Nilgiranthus ciliatus* through nodal explants: A globally endangered, high trade medicinal plant of Western Ghats. *Plant Biosystems* [Taylor & Francis, United Kingdom] (Impact Factor: 1.360). 151, 2, 204-211, doi: **10.1080/11263504.2016.1149120** (Impact Factor: **1.36**).
 18. Largia MJV, Satish L, Johnsi R, Shilpha J, **Ramesh M (2016)** Analysis of propagation of *Bacopa monnieri* (L.) from hairy roots, elicitation and Bacoside A contents of Ri transformed plants. *World Journal of Microbiology and Biotechnology* [Springer, Netherlands], 32:1-11. doi: **10.1007/s11274-016-2083-7** (Impact Factor: **1.532**).
 19. Sivaranjani M, Krishnan S R, Kannappan A , **Ramesh M**, Veera Ravi A (**2016**) Curcumin from *Curcuma longa* affects the virulence of *Pectobacterium wasabiae* and *P. carotovorum* subsp. *carotovorum* via quorum sensing regulation. *European J of Plant Pathology* [Koninklijke Nederlandse Planteziektenkundige Vereniging] doi: **10.1007/s10658-016-0957-z** (Impact Factor: **1.494**).
 20. Satish L, Shilpha J, Pandian S, Rency SA, Rathinapriya P, Ceasar SA, Largia MJV, Rameshkumar R, Kumar AA and **Ramesh M (2016)** Analysis of genetic variation in Sorghum (*Sorghum bicolor* L. Moench) genotypes with various agronomical traits using SPAR methods. *Gene* [Elsevier, Ireland], 576,581-585. doi: **10.1016/j.gene.2015.10.056** (Impact Factor: **2.319**).
 21. Satish L, Rency AS, Rathinapriya P, Ceasar SA, Pandian S, Rameshkumar R, Rao TB, Balachandran SM, **Ramesh M (2016)** Influence of plant growth regulators and spermidine on somatic embryogenesis and plant regeneration in four Indian genotypes of finger millet (*Eleusine coracana* (L.) Gaertn) *Plant Cell Tissue and Organ Culture* [Kluwer academic Publishers, Netherlands], 124:15–31. doi:**10.1007/s11240-015-0870-8** (Impact Factor: **2.390**).
 22. Satish L, Rathinapriya P, Rency SA, Ceasar SA, Prathibha M, Pandian S, Rameshkumar R, **Ramesh M (2016)** Effect of salinity stress on finger millet (*Eleusine coracana* (L.) Gaertn): histochemical and morphological analysis of coleoptile and coleorhizae. *Flora – Morphology, Distribution, Functional*

23. Shilpha J, Jayashre M, Largia MV, **Ramesh M (2016)** Direct shoot organogenesis and *Agrobacterium tumefaciens* mediated transformation of *Solanum trilobatum* L. *Turkish journal of Biology* [TUBITAK Academic Journals], 40. doi: 10.3906 – biy -1509 – 83 (Impact Factor: 1.183).
24. Satish L, Rathinapriya P, Rency AS, Pandian S, Rameshkumar R, **Ramesh M (2015)** Somatic embryogenesis and regeneration using *Gracilaria edulis* and *Padina boergesenii* seaweed liquid extracts and genetic fidelity in finger millet (*Eleusine coracana*) *Journal of Applied Phycology* [Springer, Netherlands] doi: 10.1007/s10811-015-0696-0. (Impact Factor: 2.492)
25. Satish L, Rathinapriya P, Ceasar SA, Rency AS, Pandian S, Rameshkumar R, Subramanian A, **Ramesh M (2015)** Effects of cefotaxime, amino acids and carbon source on somatic embryogenesis and plant regeneration in four Indian genotypes of foxtail millet (*Setaria italica* L.). *In Vitro Cell Development Biology - Plant* [Kluwer academic Publishers, USA] doi: 10.1007/s11627-015-9724-7. (Impact factor: 1.37).
26. Shilpha J, Satish L, Kavikkuil M, Largia MJV and **Ramesh M (2015)** Methyl jasmonate elicits the solasodine production and anti-oxidant activity in hairy root cultures of *Solanum trilobatum* L. *Industrial Crops and Products* [Elsevier, Ireland], 71:54–64. doi: 10.1016/j.indcrop.2015.03.083 (Impact Factor: 3.449).
27. Largia MJV, Pothiraj G, Shilpha J and **Ramesh M (2015)** Methyl Jasmonate and Salicylic acid synergism enhances Bacoside A content in shoot cultures of *Bacopa monnieri* (L.). *Plant Cell Tissue and Organ Culture* [Kluwer academic Publishers, Netherlands], 122:9- 20. doi: 10.1007/s11240-015-0745-z (Impact factor: 2.39).
28. Priya AM, Krishnan SR and **Ramesh M (2015)** Ploidy stability of *Oryza sativa* L. cv IR64 transformed with moth bean *P5CS* gene with significant tolerance against drought and salinity. *Turkish Journal of Biology* [Scientific & Technological Research Council of Turkey], 39:407- 416. doi: 10.3906/biy-1409-43 (Impact factor: 1.216).
29. Satish L, Ceasar SA, Shilpha J, Rency AS, Rathinapriya P and **Ramesh M (2015)** Direct plant regeneration from *in vitro* - derived shoot apical meristems of finger millet (*Eleusine coracana* (L.) Gaertn. *In Vitro Cellular and Developmental Biology - Plant* [Springer, US], 51:192–200. doi: 10.1007/s11627-015-9672-2 (Impact factor: 1.162).
30. Satish L, Rameshkumar R, Rathinapriya P, Pandian S, Rency AS, Sunitha T and **Ramesh M (2015)** Effect of seaweed liquid extracts and plant growth regulators on *in vitro* mass propagation of brinjal (*Solanum melongena* L.) through hypocotyl and leaf disc explants. *Journal of Applied Phycology* [Springer, Netherlands], 27:993–1002. doi: 10.1007/s10811- 014-0375-6 (Impact Factor: 2.492).

31. Largia MJV, Shilpha J, Pothiraj G and **Ramesh M** (2015) 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 Tissue and Organ Culture*** [Kluwer academic Publishers, Netherlands], 120:399–406. doi: **10.1007/s11240-014-0602-5** (Impact Factor: **3.633**).
32. Shilpha J, Silambarasan T, Largia MJV and **Ramesh M** (2014) Improved *in vitro* propagation, solasodine accumulation and assessment of clonal fidelity in regenerants of *Solanum trilobatum* L. by flow cytometry and SPAR methods. ***Plant Cell Tissue and Organ Culture*** [Kluwer academic Publishers, Netherlands] 117:125–129. doi: **10.1007/s11240-013-0420-1** (Impact Factor: **3.633**).
33. Krishnan SR, Priya AM and **Ramesh M** (2013) Rapid regeneration and ploidy stability of 'cv IR36' indica rice (*Oryza sativa* L.) confers efficient protocol for *in vitro* callus organogenesis and *Agrobacterium tumefaciens* mediated transformation. ***Botanical Studies*** [Springer open], 54:47. doi: **10.1186/1999-3110-54-47** (Impact Factor: **1.452**).
34. Largia MJV, Pandian SK and **Ramesh M** (2013) Genetic fidelity assessment of encapsulated *in vitro* tissues of *Bacopa monnieri* after 6 months of storage by using ISSR and RAPD markers. ***Turkish Journal of Botany*** [TUBITAK, Turkey], 37:1008-1017. doi: **10.3906/bot-1207-24** (Impact Factor: **1.6**).
35. Shilpha J, Silambarasan T, Pandian SK and **Ramesh M** (2013) Assessment of genetic diversity in *Solanum trilobatum* L., an important medicinal plant from South India using RAPD and ISSR markers. ***Genetic Resources and Crop Evolution*** [Springer, Netherlands], 60:807-818. doi: **10.1007/s10722-012-9951-2** (Impact Factor: **1.593**).
36. Karthikeyan A, Rameshkumar R, Sivakumar N, Ali Amri IS, Pandian SK and **Ramesh M** (2012) Antibiofilm activity of *Dendrophthoe falcata* against different bacterial pathogens. ***Planta Medica*** [Georg Thieme Verlag KG Stuttgart. New York], 78:1918-1926. doi: **10.1055/s-0032-1327879** (Impact Factor: **2.348**).
37. Priya AM, Pandian SK and **Ramesh M** (2012) Effect of different antibiotics on the elimination of *Agrobacterium* and high frequency *Agrobacterium*-mediated transformation of *indica* rice *Oryza sativa* (L.). ***Czech J Genetics Plant Breeding*** [Ministry of Agriculture of the Czech Republic], 48(3):120–130. (Impact Factor: **0.532**).
38. Karthikeyan A, Shilpha J, Karutha Pandian S and **Ramesh M** (2012) *Agrobacterium*- mediated transformation of *indica* rice cv. ADT 43. ***Plant Cell Tissue and Organ Culture*** [Kluwer academic Publishers, Netherlands], 109:153 – 165. doi: **10.1007/s11240-011-0083-8** (Impact factor – **3.633**).
39. Karthikeyan A, Pandian SK and **Ramesh M** (2011) Transgenic *indica* rice cv. ADT 43 expressing a Δ 1- pyrroline – 5-carboxylate synthetase (*P5CS*) gene from *Vigna aconitifolia* demonstrates salt tolerance. ***Plant Cell Tissue and Organ Culture***

[Kluwer academic Publishers, Netherlands], 107: 383-395. **doi: 10.1007/s11240-011-9989-4** (Impact Factor: **3.09**).

40. Priya AM, Pandian SK and **Ramesh M (2011)** Efficient *in vitro* plant regeneration through leaf base derived callus cultures of abiotic stress sensitive popular asian *indica* rice cultivar IR 64 (*Oryza sativa* L.). ***Acta Biologica Hungarica*** [Akadémiai Kiadó], 62(4) 441 – 452. **doi: 10.1556/ABiol.62.2011.4.9** (Impact Factor: **0.793**).
41. Karthikeyan A, Pandian SK and **Ramesh M (2011)** *Agrobacterium* –mediated transformation of leaf base derived callus tissues of popular *indica* rice (*Oryza sativa* L.sub sp.*indica* cv. ADT 43). ***Plant Science*** [Elsevier Ireland], 181: 258 – 268. **doi: 10.1016/j.plantsci.2011.05.011** (Impact Factor: **2.945**).
42. Priya AM, Pandian SK and **Ramesh M (2011)** Effect of NaCl on *in vitro* plant regeneration from embryogenic callus cultures of ‘cv IR 64’ *indica* rice (*Oryza sativa* L.). ***African Journal of Biotechnology*** [Academic Journals], 10 (36): 6947 – 6953. **doi: 10.5897/AJB11.777** (Impact Factor: **0.573**).
43. Karthikeyan A, Madhanraj A, Pandian SK and **Ramesh M (2011)** Genetic similarity among highly endangered *Bacopa monnieri* (L.) Pennell from Southern India as detected using RAPD analysis. ***Genetic Resources and Crop Evolution*** [Springer, Netherlands], 58:769 – 782. **doi: 10.1007/s10722-011-9695-4** (Impact Factor: **1.554**).
44. **Ramesh M**, Karthikeyan A, Vijayakumar KP, Joe Virgin Lorgia and Pandian SK (2011) *Agrobacterium* - mediated transformation of pharmaceutically important Indian medicinal herb *Bacopa monnieri* (L.). ***Journal of Medicinal plants Research*** [Academic Journals], 5(11): 2316 – 2321. (Impact Factor: **0.879**).
45. **Ramesh M**, Vijayakumar KP, Karthikeyan A and Pandian SK (2011) RAPD based genetic stability analysis among micropropagated, synthetic seed derived and hardened plants of *Bacopa monnieri* (L.):a threatened Indian medicinal herb, ***Acta Physiologiae Plantarum*** [Springer, Poland],33:163 – 171. **doi: 10.1007/s11738-010-0534-6** (Impact Factor :**1.639**).
46. Karthikeyan A, Pandian SK and **Ramesh M (2009)** High frequency plant regeneration from embryogenic callus of a popular *indica* rice (*Oryza sativa* L.). ***Physiology and Molecular Biology of Plants*** [Springer, India], 15(4) 371 - 375. **doi: 10.1007/s12298-009-0042-6**
47. **Ramesh M**, Murugiah V and Gupta AK (2009) Efficient plant regeneration from leaf base segments of *indica* rice, ***Indian Journal of Experimental Biology*** [NISCAIR,CSIR, India], 47: 68 – 74. **PMID: 19317355** (Impact Factor: **1.165**).
48. **Ramseh M**, Marx R, Mathan G and Pandian SK (2008) Effect of bavistin on *in vitro* plant conversion from encapsulated uninodal microcuttings of micropropagated *Bacopa monnieri* (L.) – An ayurvedic herb. ***Journal of Environmental Biology***

[Triveni Enterprises, Lucknow (India), 30(3):441-444. **PMID: 20120475** (Impact Factor: **1.359**).

49. **Ramesh M**, Selvam A and Pandian SK (**2007**) Cytokinin induced multiple shoot induction from node explants of *Daemia extensa* (Jacq.) R.B – A potentially important medicinal plant, *Asian Journal of Bioscience*, 2(1): 18 – 21.
50. **Ramesh M** and Gupta AK (**2006**) Genetic transformation of embryogenic callus cultures of *indica* rice using particle bombardment and selection of stably transformed hygromycin resistant plants, *Asian Journal of Microbiology, Biotechnology and Environmental Science* [Scientific Publishers, India ; ISSN: 0972-3005], 8(3):617–622.
51. **Ramesh M**, Saravanakumar RM and Pandian SK (**2006**) Benzyl amino purine and Adenine sulphate induced rapid multiple shoot and root induction from nodal explants of brahmi {*Bacopa monnieri* (L.) Wettst}, *Natural Product Radiance* [NISCAIR, CSIR, India], 5(1):44–51.
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Faculty Profile as of 01st January 2019