



Dr. M. RAMESH

Professor

Contact

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Academic Qualifications

Degree	Institution	Year	Branch	Class
Ph.D.	Centre for Plant Molecular Biology, School of Biotechnology Madurai Kamaraj University, Madurai – 625 021.	1998	Biotechnology	Awarded
M.Phil.	School of Energy Sciences Madurai Kamaraj University, Madurai – 625 021.	1992	Energy, Environment & Natural Sciences	I
M.Sc.	School of Biological Sciences, Madurai Kamaraj University, Madurai – 625 021.	1990	Biology	I
B.Sc.	The Madura College (Autonomous), Madurai.	1987	Botany, Zoology, Chemistry	I

Teaching Experience: 26 Years

Position	Institution	Duration
Professor	Department of Biotechnology Alagappa University, Karaikudi 630 003.	12.05.2018 to Till Date
Associate Professor	Department of Biotechnology Alagappa University, Karaikudi 630 003.	12.05.2015 to 11.05.2018
Assistant Professor (Stage III)	Department of Biotechnology Alagappa University, Karaikudi 630 003.	12.05.2011 to 11.05.2015
Assistant Professor (Stage II)	Department of Biotechnology Alagappa University, Karaikudi 630 003.	12.05.2007 to 11.05.2011
Lecturer	Department of Biotechnology Alagappa University, Karaikudi 630 003.	12.05.2003 to 11.05.2007
Lecturer	Department of Biotechnology Dr. G. R. Damodaran College of Science Coimbatore – 641 014.	01.06.1999 to 10.05.2003
Lecturer	Department of Microbiology K.S.R. College of Arts & Science Tiruchengode – 637 209.	09.03.1998 to 06.04.1999

Research Experience: 26 Years

Academic and Additional Responsibilities

S. No	Position	University Bodies	Period	
			From	To
1	Head In-charge	Department of Botany Alagappa University, Karaikudi.	22.11.2019	31.05.2022
2	Member	Standing Committee on Academic Affairs (SCAA) under Section 24(2) (a) Clause II of the Alagappa University Act 1985.	2018	2021
3	Coordinator	Centre for Youth Welfare and Empowerment, Alagappa University, Karaikudi.	September, 2018	September, 2019
4	Coordinator	Department level SWAYAM & NAD Coordinator for M.Sc. Biotechnological Students and Students of Govt. Arts College, Tiruvadana.	June 2017	November 2019
5.	Deputy Coordinator	Intellectual Property Rights Cell Alagappa University, Karaikudi.	2013	2016

Areas of Research

- **Genetic Transformation:** Genetic Modification of Food Crops (rice and small millets) for Abiotic Stress Tolerance through *Agrobacterium tumefaciens* mediated transformation.
- Development of superior genotypes / chemotypes of Indian medicinal plants with elevated levels of phytochemicals through *Agrobacterium rhizogenes* mediated transformation and selection of superior clones for propagation.
- **Ex situ Conservation:** Conservation of IUCN Red list categories (Endangered, Threatened, Vulnerable, & Least Concern) medicinal plants through micropropagation, encapsulation, low temperature storage, molecular marker analysis, and reintroduction.
- **Computational Omics:** Identification of novel unique and Combined Abiotic Stress (CAbS) responsive genes from Crop Species through Omics Approaches.
- **Elicitation:** Enhancement of Commercially Important Phytochemicals in Indian medicinal plants through Biotechnological Approaches (Callus culture, Suspension culture, Hairy Root Culture, & Mutation breeding).

Research Supervision / Guidance

Program of Study		Completed	Ongoing
Research	PDF	01	NIL
	Ph.D.	12	04
	M.Phil.	03	NIL
Project	PG	64	04
	UG / Others ADMD)	03	NIL

Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books / Chapters / Monographs / Manuals
90	57	10	154	21

Cumulative Impact Factor : 326.28
h-index : 33
i10 index : 73
Total Citations : 2640 (Up to 17 April,2024)

<https://scholar.google.co.in/citations?user=0zYWuf4AAAAJ&hl=en>

Thomson Reuters Researcher ID: P-9021-2017

Scopus Author ID: 8543374000

Google Scholar ID: 5id4ORAAAAAJ

Web of Science Researcher ID: P-9021-2017

URL: <http://www.researcherid.com/rid/P-9021-2017>

ORCID: <http://orcid.org/000-0002-7969-4935>

Vidwan ID: 65867

Funded Research Projects

Ongoing Projects: 1

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1.	Rashtriya Uchcharat Shiksha bhayan. RUSA 2.0: Theme based research project (4.4.2) in Biological Sciences for Translational Health Research for Plant Systems	01.11.2022	31.12.2024	Physiological, Biochemical and Molecular analysis in Finger millet under Drought and Salt stress condition	09.80

Completed Projects: 9

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1.	Board of Research in Nuclear Sciences (BRNS), Department of Atomic Energy (DAE), Govt. of India, Mumbai.	11.09.2020	10.09.2023	Radiation induced enhancement of anticancer triterpenoids of <i>Nilgiranthus ciliatus</i>	25.37
2.	RUSA 2.0: Entrepreneur in residence (EIR) sponsored research Project	2022	2023	Enhanced Squalene and Scopoletin production in hairy root cultures of <i>Evolvulus alsinoides</i> via <i>Agrobacterium rhizogenes</i> – mediated genetic transformation	2.0
3.	RUSA 2.0: Entrepreneur in residence (EIR) sponsored research Project	2022	2023	Identification of elite accessions of <i>Nilgiranthus ciliatus</i> (Nees) for in vitro multiplication and encapsulation for sustainable use	2.0

4.	Rashtriya Uchcharat Shiksha Abhiyan (RUSA) Centrally Sponsored Scheme. RUSA 2: TBRP in Biological Sciences for Translational Health Research for Human, Animal & Plant System	28.01.2019	27.01.2021	Enhanced and sustainable production of high value brain boosting phytochemicals of <i>Bacopa monnieri</i> (L.) through Hairy Root and Elicitation Technology	10.94
5.	Science Engineering and Research Board (SERB) Department of Science & Technology, New Delhi.	11.07.2013	10.07.2016	Micropropagation and reintroduction of endangered medicinal plant <i>Nilgirianthus ciliatus</i> (Nees) Bremek.	15.28
6.	Council of Scientific and Industrial Research (CSIR), New Delhi.	26.04.2012	31.03.2015	Development of abiotic stress tolerant indica rice lines (IR 64) with Stress Associated Protein gene through Agrobacterium mediated transformation	24.52
7.	University Grants Commission(UGC)	01.04.2007	31.03.2009	<i>In vitro</i> micropropagation from different explants of <i>Jatropha curcas</i> . L	0.95
8.	University Grants Commission(UGC)	01.02.2009	31.01.2012	<i>In vitro</i> selection and <i>Agrobacterium</i> – mediated transformation studies for developing drought and salinity tolerant indica rice	12.30
9.	Department of Biotechnology (DBT), SPD, New Delhi) Ministry of Science & Technology, GOI	01.04.2001	31.03.2003	Cultivation of Oyster Mushroom & Processing	9.38

Other Projects Received as Research Mentor: 2

S. No	Agency	Period		Project Title	Budget (Rs.)
		From	To		
1.	Tamilnadu State Council for Science & Technology (TNSCST) Student Project (Ref: No. TNSCST/SPS/AR/2019- 2020 dt. 18.3.2020) Ms. S. Rajeswari (BS- 018)	18.03.2020	30.09.2020	Development of improved micro- propagation protocol for IUCN RED LISTED medicinal shrub of southern Western Ghats, <i>Nilgirianthus ciliatus</i> (Wall. Ex Nees) Bremek	7000
2.	Tamilnadu State Council for Science & Technology (TNSCST) Student Project. R. M. Saravana Kumar. Code: Ag06	March 2004	October 2004	Micropropagation of <i>Bacopa monnieri</i> - A Pharmacologically Important Herb	5000

Distinctive Achievements / Awards

Year	Name of the Award /Achievement
2023	Appreciation award for outstanding academic and Research excellence in acquiring the projects during the academic years 2021 – 2023
2020	Vallal Alagappan Research Recognition Award for contribution towards the enhancement of Research Outcome of the University
2018	Alagappa Excellence Award (AEA) for Research (2018) (Certificate, Citation and Gold Medal and Cash award of Rs. 15000)
2017	Eminent Scientist award by Biologix Research & Innovation Centre Pvt. Ltd (BRICPL) India.
2017	Bose Science Society Award, Tamil Nadu Scientific Research Organization (TNSRO)
1992	National Eligibility Test (NET) for JRF & Lectureship – CSIR&UGC (Ref No.2-10/92-E.U.11/ Dec, 1991 dt.05.05.1992)
1988	Narasimha Iyengar Prize for Proficiency in Chemistry & Zoology (B.Sc.), Madura College.
1988	Ananthalakshmi Ramulu Iyer Prize for Proficiency in Botany (B.Sc.), Madura College.

Events Participated

Number of Conferences / Seminars / Workshops: 208

Professional Bodies:

S. No.	Membership Type	Organization Name
1.	Life Member	Society of Biological Chemists, India.
2.	Life Member	The Indian Science Congress Association (L.14559)
3.	Life Member	Proteomic Society of India.
4.	Life Member	Biotech Research Society of India (LM 1667)
5.	Life Member	Bose Science Society, Tamilnadu Scientific Research Organization
6.	Life Member	The Indian Botanical Society
7.	Life Member	National Academy of Biological Sciences (NABS), India (LM 045-18)
8.	Member	International Natural Product Science Taskforce (INPST)

Advisory Board:

Year / Period	Name of the BoS / Administrative Committee / Academic Committee	Role
BOS in Alagappa University		
2003 - 2023	Board of Studies in M.Sc., Biotechnology, Alagappa University	Member
May, 2013	Board of Studies in M.Phil. Biotechnology, Alagappa University.	Member

May, 2012	B.Sc., Biotechnology, Alagappa University.	Member
May 2011	Board of Studies in B.Sc., Biochemistry, Alagappa University.	Member
December, 2011	Board of Studies in M.Sc., Botany of Affiliated Colleges of Alagappa University	Member
2009	B.Sc., Zoology (Animal Biotechnology) of Affiliated Colleges of Alagappa University.	Member
Administrative Committee		
2021	Subject Expert to scrutinize the applications for Research Guideship in Botany (MKU)	Subject Expert
2020	To recognize N. Ramavarier Ayurveda Foundation, Madurai as a Research Centre of Alagappa University.	Inspection Committee member
2019	TANSCH Expert Committee member to give equivalence to B.Sc. and M.Sc. Plant Biology and Biotechnology courses offered by various Universities.	Expert Committee member
2017	To inspect the academic and infrastructural facilities for the grant of affiliation of B.Sc. Biotechnology Programme, Vidhyaa Giri College of Arts and Science, Puduvayal.	Inspection Committee member
2013	DBT Expert in IBSC (Institutional Biosafety Committee) for DST Project at Ayya Nadar Janaki Ammal College.	Outside External Expert
2013	Inspection Committee Member for recognition of Approved Research Centre for Botany in Affiliated Colleges of Alagappa University.	Inspection Committee Member
2011	To assess the Course contents of Botany, Samacheer Kalvi Subjects Workshop held at Alagappa Matriculation Higher Secondary School, Karaikudi.	Expert Committee Member
2011	To assess the infrastructure and expertise available at the Department of Botany, Alagappa Arts College, Karaikudi for recognition as an Approved Research Centre of Alagappa University.	Inspection Committee member
2011	To assess the academic and infrastructural facilities for recommending affiliation of M.Sc., Botany Programme to Department of Botany, Alagappa Govt. Arts College, Karaikudi.	Expert Committee Member
2009	Expert for the interview committee for selection of Lecturer post at P.T.M.T.M College, Kamuthi.	Expert
Advisory Committee		
2019 – Till date	Medicinal Plants –International Journal of Phytomedicines & Related Industries (ISSN: 0975-4261).	Advisory Board Member
2019	International Conference on Innovative and Emerging Trends in Botany (ICIETB 2019) organized by the Dept. of Botany, Alagappa University.	Advisory Committee Member & Plenary Speaker
2018 – Till date	Namadhu Ariviyal, a Science Awareness Tamil Monthly.	Advisory Board Member

Editorial Board		
2024	New Zealand Journal of Crop and Horticultural Science (Taylor and Francis) (ISSN:0114-0671)	Associate Editor
2024	Multi-Omics Approaches for Abiotic Stress Response in Plants - A special issue of <i>Plants</i> (MDPI) (ISSN 2223-7747) (IF:4.5)	Guest Editor
2018 - 2023	International Journal of Plant & Soil Science (ISSN: 2320-7035).	Academic Editor
2017	Science Domain International – An Open Peer Reviewed Journal in Science, Technology & Medicine (www.sciencedomain.org)	Editorial Board Member
Since 23, January 2017	Indian Journal of Natural Sciences (IJNS) ISSN: 0976- 0997, NAAS rated score: 3.56, MJL Thomson Reuters, USA.	Editorial Committee Member
2018	Journal of Agriculture Food and Development, Online-ISSN No :2415-0142	Editorial Board Member

Academic Bodies in Other Institutes/ Universities:

Year / Period	Name of the BoS / Administrative Committee / Academic Committee	Role
February 2024	Board of Studies in M.Sc. Botany, Annamalai University, Annamalainagar.	Member
2021- 2024	Board of Studies in M.Sc., Biotechnology, Madura College, Madurai.	Subject Expert
February, 2019	Board of Studies in U.G. and P.G. Biotechnology of J.J. College of Arts and Science, Pudukkottai.	Member
June 2013	Board of Studies in B.Sc., and M.Sc., Biotechnology, SNR College, Coimbatore	Member

Ph.D. Thesis Evaluated / Viva Voce Conducted

1. No. of PhD Thesis evaluated : 40
2. No. of PhD Public Viva Voce Examination conducted : 31

Ph.D. Thesis Guided: 12

S. No.	Name of the Scholar	Title of the Thesis	Year of Completion
1.	A. Karthikeyan (1678)	Development of drought and salinity tolerant <i>indica</i> rice cv. ADT 43 through <i>Agrobacterium</i> – mediated transformation	11.09.2011
2.	Mohana Priya (0066/2008-09)	Development of drought and salinity tolerant <i>indica</i> rice cv. IR 64 through <i>Agrobacterium</i> – mediated transformation	11.10.2014

3.	M. Joe Virgin Largia (0249/2010-11)	<i>In vitro</i> conservation and secondary metabolite enhancement of ayurvedic important medicinal plant <i>Bacopa monnieri</i> (L.) through Biotechnological approaches	07.08.2015
4.	J. Shilpha (362/2010-11)	<i>Ex-Situ</i> conservation and <i>Agrobacterium</i> – mediated genetic transformation for augmenting secondary metabolites in <i>Solanum trilobatum</i> L., An ayurvedic medicinal plant.	11.07.2016
5.	S.Radhesh Krishnan (405/2010-11)	<i>In vitro</i> regeneration & <i>Agrobacterium</i> -mediated genetic transformation of elite waxy <i>indica</i> rice cv. IR 36 with <i>Oryza sativa</i> Stress Associated Protein 8 to improve abiotic stress tolerance	10.08.2017
6.	L. Satish (559/2012-13)	Stable production and quality improvement of Indian finger millet (<i>Eleusine coracana</i> L.) through avoidance/ tolerance to drought stress by <i>Agrobacterium</i> -mediated transformation	31.08.2017
7.	A. Sagina Rency (0984/2014-15)	<i>In vitro</i> conservation and hairy root induction in industrially important Indian medicinal plants <i>Bacopa monnieri</i> L. and <i>Clitoria ternatea</i> L.	10.05.2019
8.	R. Rameshkumar (0784/ 2013- 14)	Biotechnological approaches for conservation of <i>Nilgirianthus ciliatus</i> (Nees) Bremek – An endemic and vulnerable Indian medicinal plant	20.09.2019
9.	P. Rathinapriya (0985/2014-15)	Biotechnological approaches to enhance regeneration and quality improvement in Indian Foxtail millet (<i>Setaria italica</i> L.), An Important C4 Model Crop	07.02.2020
10.	S. Pandian (1112/ 2014- 15)	Molecular and Biochemical Characterization of Mini – Core Collection of Finger Millet (<i>Eleusine coracana</i> (L.) Geartn) Germplasm	07.02.2020
11.	P. Muthuramalingam (1215/ 2015-16)	Global omics analyses of individual and combined abiotic stress signaling genes to unravel key players in <i>Oryza sativa</i> (L.)	28.05.2020
12.	R.Jeyasri (R20162004/2018-19)	Biotechnological approaches to analyze and explore the bioactive potential of Indian traditional medicinal plant <i>Bacopa monnieri</i> (L.)	20.12.2023

List of Research Articles / Recent Publications: 100

S. No	Authors/Title of the paper/Journal	Impact Factor
1.	Collince AO , Rakkammal K, Jeevan Ram P S, Pavan Kumar K, Ragavan K, Anitha Kumari R; Suresh Govindan, Kher M M, Drori E & Ramesh M (July, 2024) Micropropagation, genetic fidelity and chromatographic analysis in <i>Evolvulus alsinoides</i> (L.): A potent multipurpose medicinal plant. Industrial Crops and Products . 213,118444	5.9

2.	Rakkammal K, Pandian S, Ramesh M (03 February, 2024) Physiological and biochemical response of finger millet plants exposed to Arsenic and Nickel stress. Plant Stress (Elsevier). https:// doi.org/10.1016/j.stress.2024.100389	5.0
3.	Rakkammal K, Pandian S, Ceasar A & Ramesh M (24 July, 2023) Humic acid regulates gene expression and activity of antioxidant enzymes to inhibit the salt induced oxidative stress in finger millet. Cereal Research Communications (Springer Nature). https:// doi.org/10.1007/s42976-023-00429-8	1.6
4.	Jeyasri R, Muthuramalingam P, Kannan K, Shin H, Choi SH, & Ramesh M . (03 March, 2023). Methyl jasmonate and salicylic acid as powerful elicitors for enhancing the production of secondary metabolites in medicinal plants: An updated review. Plant Cell, Tissue & Organ Culture (Springer Nature). https://doi.org/10.1007/s11240-023-02485-8	3.0
5.	Rakkammal K, Maharajan T, Shriram R N, Jeevan Ram P S, Ceasar A & Ramesh M (31 January, 2023) Physiological, biochemical and molecular responses of finger millet (<i>Eleusine coracana</i> L. Gaertn.) genotypes exposed to short term drought stress induced by PEG-6000. South African Journal of Botany (Elsevier) https://doi.org/10.1016/j.sajb.2023.01.053 .	3.1
6.	Maharajan T, Ajeesh Krishna TP, Rakkammal K, Ramakrishnan M, Ceasar SA, Ramesh M , Ignacimuthu S(20 January, 2023) Identification of QTL associated with agro-morphological and phosphorus content traits in finger millet under differential phosphorus supply by linkage mapping. Agriculture (MDPI) https://doi.org/10.3390/agriculture13020262 .	3.6
7.	Maharajan T, Ajeesh Krishna TP, Rakkammal K, R Ceasar A, Ramesh M (03 November, 2022) Application of CRISPR/Cas system in cereal improvement for biotic and abiotic stress tolerance. Planta (Springer Nature) https://doi.org/10.1007/s00425-022-04023-w .	4.54
8.	Rakkammal K, Priya, A, Pandian S, Maharajan T, Rathinapriya P, Satish L, Ceasar, S A, Sohn SI and Ramesh M (October, 2022). Conventional and Omics Approaches for Understanding the Abiotic Stress Response in Cereal Crops—An Updated Overview. Plants (MDPI) https://doi.org/10.3390/plants11212852 .	4.65
9.	Jeyasri R, Muthuramalingam P, Adarshan S, Shin H, Ramesh M (06 October, 2022) Assessing the anti-inflammatory effects of Bacopa-derived bioactive compounds using network pharmacology and in vitro studies. ACS Omega (American Chemical Society) 7(44): 40344–40354. https://doi.org/10.1021/acsomega.2c05318	4.13
10.	Adarshan S, Akassh S, Avinash K, Bharathkumar M, Muthuramalingam P, Shin H, Baskar V, Chen JT, Bhuvaneshwari V, Ramesh M (10 September, 2022) Cheminformatics and system pharmacology strategies unveils the potential bioactives to combat COVID19. Molecules (MDPI) 27, 5955. https://doi.org/10.3390/molecules27185955 .	4.92
11.	Krishnan R, Muthuramalingam P, Priya AM, Prasanth MI, Krishnasamy G, Mohan C, Muthusamy K, Balamurugan K, Gupta AK, and Ramesh M (16 August, 2022) Expressing OsiSAP8, a Zinc-Finger Associated Protein gene, mitigates stress dynamics in existing elite rice varieties of the ‘Green Revolution’. Sustainability (MDPI) https://doi.org/10.3390/su141610174 .	3.9
12.	Aarthy M, Muthuramalingam P, Ramesh M , Singh SK, (22 August, 2022) Unraveling the multi-targeted curative potential of bioactive molecules against cervical cancer through integrated omics and systems pharmacology approach”. Scientific Reports (Nature Portfolio) https://doi.org/10.1038/s41598-022-18358-7 .	4.99

13.	Sohn SI, Pandian S, Rakkammal K, Largia MJV, Thamilarasan SK, Balaji S, Zoclanclounon YAB, Shilpha J & Ramesh M (15 August, 2022) Jasmonates in Plant Growth and Development and Elicitation of Secondary Metabolites -An Updated Overview". Frontiers in Plant Science (Frontiers Media) https://doi.org/10.3389/fpls.2022.942789 .	6.62
14.	Rakkammal K, Ramesh M (July 29, 2022) Biostimulants and Their Role in Improving Plant Growth under Drought and Salinity". Cereal Research Communications (Springer Nature). https://doi.org/10.1007/s42976-022-00299-6 .	1.6
15.	Muthuramalingam P, Jeyasri R, Selvaraj A, Shin H, Chen JT, Satish L, Wu QS & Ramesh M (08 July, 2022) Global Integrated Genomic and Transcriptomic Analyses of MYB Transcription Factor Superfamily in C3 Model Plant <i>Oryza sativa</i> (L.) Unravel Potential Candidates Involved in Abiotic Stress Signaling Frontiers in Genetics (Frontiers Media) https://doi.org/10.3389/fgene.2022.946834 .	4.77
16.	Muthuramalingam P, Jeyasri R, Rakkammal K, Satish L, Shamili S, Karthikeyan A, Valliammai A, Priya A, Selvaraj A, Gowri P, Qiang-Sheng Wu, Pandian SK, Hyunsuk Shin; Jen-Tsung Chen, Baskar V, Thiruvengadam M, Ramesh M (07 July, 2022) Multi-Omics and Integrative Approach towards Understanding Salinity Tolerance in Rice: A Review. Biology (MDPI) https://doi.org/10.3390/biology11071022 .	5.007
17.	Largia MJV, Pandian S, Shilpha J, Kavikkui1 M, Soo-In Sohn, Ramesh M (05 July, 2022) Improved in vitro regeneration, genetic fidelity analysis, antioxidant potential, and hairy root induction of <i>Justicia gendarussa</i> Burm. f". Plant Biotechnology Reports (Springer Nature) https://doi.org/10.1007/s11816-022-00775-9 .	2.4
18.	Muthuramalingam P, Shin H, Adarshan S, Jeyasri R, Priya A, Chen JT, Ramesh M (18 March, 2022) Molecular insights into freezing stress in Peach based on Multi-Omics and Biotechnology: An overview. Plants (MDPI). https://doi.org/10.3390/plants11060812 .	4.5
19.	Adarshan S, Muthuramalingam P, Jeyasri Lakshmi MA, Sathishkumar R, Pandian SK, Shin H, Chen JT, Ramesh M (08 March, 2022) <i>Vitex negundo</i> (L.) derived specialized molecules unveils the multi-targeted therapeutic avenues against COPD: A systems pharmacology approach. Frontiers in Bioscience - Landmark (Frontiers Media). http://doi.org/10.31083/j.fb12703087 .	4.0
20.	Shrihastini V, Muthuramalingam P, Adarshan S, Sugitha M, Chen JT, Shin H, Ramesh M (10 December, 2021) Plant Derived Bioactive Compounds, Their Anti-Cancer Effects and In Silico Approaches as an Alternative Target Treatment Strategy for Breast Cancer: An Updated Overview. Cancers (MDPI). https://doi.org/10.3390/cancers13246222 .	6.63
21.	Sohn SI, Pandian S, Senthil Kumar T, Zoclanclounon YAB, Muthuramalingam P, Shilpha J, Satish L, Ramesh M (30 October, 2021) Seed Dormancy and Pre-Harvest Sprouting in Rice – An Updated Overview. International Journal of Molecular Sciences (MDPI). https://doi.org/10.3390/ijms222111804 .	5.92
22.	Vanisri S, Hima BK, Muthuramalingam P, Rama Gopal, Jhansi LV, Varma, N, Anjali C, Satish L, Ramesh M , Sreedhar M (14 September, 2021) RNA-Seq based global transcriptome analysis of rice unravels the key players associated with brown planthopper resistance. International Journal of Biological Macromolecules (Elsevier). http://doi.org/10.1016/j.ijbiomac.2021.09.058 .	6.95

23.	Shilpha J, Pandian S, Largia MJV, Sohn S I, & Ramesh M (31 August, 2021) Short term storage of <i>Solanum trilobatum</i> L. synthetic seeds and evaluation of genetic homogeneity using SCoT markers Plant Biotechnology Reports (Springer, Nature) https://doi.org/10.1007/s11816-021-00709-x .	2.4
24.	Jeyasri R, Muthuramalingam P, Satish L, Pandian SK, Chen JT, Ahmar S, Wang X, Poblete FM & Ramesh M (19 July, 2021) An Overview of Abiotic Stress in Cereal Crops: Negative Impacts, Regulation, Biotechnology and Integrated Omics Plants (MDPI). https://doi.org/10.3390/plants10071472 .	4.5
25.	Valliammai A, Selvaraj A, Muthuramalingam P, Priya A, Ramesh M , Pandian SK (26 July, 2021) Staphyloxanthin inhibitory potential of thymol impairs antioxidant fitness, enhances neutrophil mediated killing and alters membrane fluidity of methicillin resistant <i>Staphylococcus aureus</i> Biomedicine & Pharmacotherapy (Elsevier). https://doi.org/10.1016/j.biopha.2021.111933 .	7.5
26.	Muthuramalingam P, Satish L, Pandian SK, Chen JT, Ahmar S, Wang X, Poblete FM & Ramesh M (19 July, 2021) An Overview of Abiotic Stress in Cereal Crops: Negative Impacts, Regulation, Biotechnology and Integrated Omics Plants (MDPI). https://doi.org/10.3390/plants10071472 .	4.5
27.	Jeyasri R, Muthuramalingam P, Satish L, Adarshan S, Aishwarya Lakshmi M, Pandian SK, Chen JT, Sunny Ahmar, Wang X, Mora-Poblete F & Ramesh M (25 June, 2021) The role of <i>OsWRKY</i> genes in rice when faced with single and multiple abiotic stress Agronomy (MDPI). https://doi.org/10.3390/agronomy11071301 .	3.7
28.	Muthuramalingam P., Jeyasri R., Bharathi R.K.A.S., Suba V., Pandian S.T.K., Ramesh M. (January 2020) Global Integrated Omics Expression Analyses of Abiotic Stress Signaling Hsf Transcription Factor Genes in <i>Oryza Sativa</i> L.: An in Silico Approach. Genomics . 112(1):908-918. doi: 0.1016/j.ygeno.2019.06.006	6.20
29.	Selvaraj A, Valliammai A, Muthuramalingam P, Priya A, Suba M, Ramesh M and Pandian SK. (24 November, 2020). Carvacrol targets SarA and CrtM of methicillin-resistant <i>Staphylococcus aureus</i> to mitigate biofilm formation and staphyloxanthin synthesis: An <i>in vitro</i> and <i>in vivo</i> approach ACS Omega (American Chemical Society). https://doi.org/10.1021/acsomega.0c04252	4.13
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