

Faculty Profile



Name	:	Dr. M.J. SHEEBA
Designation as on 15/11/2024	:	Professor and Principal
Age	:	53 years
Date of birth	:	02/03/1972
Place of birth	:	Thiruvananthapuram
Sex	:	Female
Caste and Religion	:	Islam,Muslim
Category	:	OBC
Nationality	:	Indian
Fathers Name	:	A Muhammed Abdul Khader
Mothers name	:	M. Jameela beevi
Marietal status	:	Married
Husbands name	:	M.M. Shafi
Mother tongue	:	Malayalam
Academic Qualification	:	M.Sc, B.Ed, M.Phil, Ph.D
Area of Interest	:	Botany, Palynology, Biosystematics, Cytology, Fresh water Biology, Crop Improvement and Production
Address for communication	:	Udayanparambu veedu, Koonthalloor, Chirayinkil P.O., Thiruvananthapuram - 695304
Email	:	sheebatkmbot@gmail.com
Mobile	:	9400841969

Date of joining in T.K.M College of Arts and Science, Kollam : 17/9/2008

Current Designation : Professor and Principal with effect from : 15/11/2024

Academic Level : 14

Period of teaching and Research experience : 17 Years 3 months

Education

Sl. No	Examinations	Division/ Class/ Grade	Name of the Board/ University	Year of passing
1	SSC	II Class	Board of Public Examinations	1987
2	Pre Degree	II Class	University of Kerala	1989
3	B.Sc Botany	I Class	University of Kerala	1992
4	M.Sc Botany	I Class	University of Kerala	1994
5	B.Ed Natural Science	I Class	University of Kerala	1995
6	M.Phil Botany	A Grade	University of Kerala	1998
7	Ph.D Botany	Awarded	University of Kerala	2006

Research Degree(s)

Degree	Title	Date of Award	University
M.Phil	Studies on <i>Scilla indica</i> L.	1998	University of Kerala
Ph. D	Genotype Dependent variations in Sweet Potato for specific traits related to Crop Improvement and Production	2006	University of Kerala

Appointments held prior to joining this institution

Designation	Name of Employer	Date of		Salary with Grade	Reason for Leaving
		Joining	Leaving		
HSA	PSC	15.11.2000-	31.10.2006	4600-7125	Promotion
HSST	PSC	1.11.2006-	16.9.2008	9190-15510	Joined Collegiate Edn. Dept

Posts held after appointment at this institution

Designation	Department	Date of actual Joining		Grade
		From	To	
Assistant Professor	Botany	17/9/2008	Till date	Professor and Principal Academic Level 14

Research Experience excluding years spend in M.Phil/Ph.D(in years) : Minor Projects, B.Sc Projects& Paper Publications, Guiding Ph.D Students etc 15 years and 3 months

Publications

Sl. No	Publication	Year	Academic/Research Score
1	Paper titled ' Cytological Studies in <i>Scilla indica</i> ' M.J Sheeba and B. Vijayavalli in Journal of Cytology and Genetics 1998 pages 189-193 ISSN 0253-7605. Peer reviewed.	1998	
2	Paper titled ' Morphological and Foliar epidermal studies on <i>Scilla indica</i>(Wt) Baker (Liliaceae) ' M.J Sheeba and B. Vijayavalli in Journal of Indian Botanical Society.1998 Pages 125-127 ISSN 0019-4468. Peer reviewed.	1998	
3	Paper titled ' Comparative study of plant morphology and palynology in <i>Nymphaea</i> and <i>Nelumbium</i> ' M.J Sheeba International Journal of Multidisciplinary Research Review, Vol -1, Issue -6, 2015 Pages 38-45 ISSN 2395-1877 E-ISSN 2395-1885. Peer reviewed ijmdrr.com http://www.ijmdrr.com > admin > downloads ISSN -2395-1877. Research Paper. Peer Reviewed Journal. International Journal of Multidisciplinary Research Review,	2015	
4	Papertitled ' Pollen grain studies in	2015	

	<i>Ipomoea batatas</i> (L.) Lam and <i>Ipomoea aquatica</i> L.’ M.J.Sheeba, B.Vijayavalli and P. Kamalam Page no 100-104International journal of Research in plant Sciences, Peer reviewed Universal research publicationsISSN 2249-9717 October 2015		
5	Papertitled ‘ Anthocyanin-A Potential Natural food Colourant from <i>Ipomoea batatas</i> (L.) Lam Genotypes M.J.Sheeba, P. Kamalamand B. Vijayavalli. Trends in Biosciences 11(7) ISSN 0974-8431 Pages 1336-1342,2018 UGC Approved International journal . peer reviewed 0974-8431 Trends in Biosciences.	2018	
6	Paper titled‘ Genotype Dependent Variations and Carotene Content Variations in Sweet Potato Tubers’ M.J Sheeba, International Journal of Research and Analytical Reviews (IJRAR)Volume 6,Issue 2 June 2019 E-ISSN 2348-1269,P-ISSN 2349-5138 UGC Approved International journal. peer reviewed E-ISSN 2348-1269, P- ISSN 2349-5138 ESTD Year: 2014 UGC and ISSN Approved.	2019	
7	Extended Abstractsof ‘ Genotype Dependent Variations of Sweet Potato in Photosynthetic Characteristics’M.J.Sheebawere published inProceedings of the International Conference on Exploring the Scope of Plant Genetic Resources PROVECTUS PLANTAE ’19 Organized by the Department of Botany ,University of Kerala. May 22-24,2019 ISBN No.978-81-940888-0-6 Pages539-542. Research score	2019	

8	<p>Paper publication in International Journal of Botany and Research (IJBR) Entitled Genotype Dependent Variations of Sweet Potato in Photosynthetic Characteristics' M.J.Sheeba ISSN 2277-4815 Peer Reviewed , ,Vol9,Issue2 Dec 2019 Pages 9-14, Impact factor (JCC)2019 - 5.5837, NAAS Ratng 4.08, IBI Factor 3.2 ,ICV 2016 57.51.</p> <p>International Journal of Botany and Research (IJBR) is a peer-reviewed scientific journal dedicated to publish high quality original research in the field of ...</p> <p>indexed, refereed, peer reviewed and open access journal.</p>	2019	
9.	<p>Book Chapter namely Influence of Arbuscular Mycorrhizal Association on the Characteristics of <i>Ipomoea batatas</i> (L.) Lam Genotypes ISBN 978-81-951912-4-6, Plant Genetic Resource Utilisation An Appraisal Pages 54 to 67, Publisher Department of Botany ,University of Kerala, India</p>	2021	
10	<p>Extended Abstracts of Data Collection Studies on Genotype Dependent Variations in Promising South Indian Cultivated <i>Solanum melongena</i> L. Soumyamol N ,Sheeba M J & Sivu A.R were published in Proceedings of International Conference on New Horizons in Plant Science (NHPS 2020) Organised by University of Kerala ,Thiruvananthapuram from 04/01/2021 to 09/01/2021 , ISBN 978-81-940888-3-7</p>	2021	
11	<p>Paper publication on Studies of Elephant Ear Fig Tree(<i>Ficus auriculata</i> Lour.) A Heavenly Fruit Related with Conservation and Cultivation for Ecological Security by M.J Sheeba, in International Conference on</p>	2021	

	Role of Indigenous People /Tribals in Wild life Conservation Organised by Kerala Law Academy Law College in Association with CALSAL Trivandrum on 20/03/2021 and 21/03/202 ,ISBN No 978-93-5457-182-4		
12	Paper publication on Data collection and documentation of Genotype dependent variations in in promising South Indian Cultivated <i>Solanum melongena</i> L. Soumyamol N ,Sheeba M J &Sivu A.R International Journal of Botany Studies(Web of Science) ISSN 2455-541X,Vol 6,issue5,page no1412-1418 Peer reviewed Online ISSN : 2455-541X	2021	
13	Paper publication on A Review on Data Collection and Documentation Studies in Plant to Plant Communication , AkhbarSha,SoumyamolN ,M.JSheeba ,Dalia Vishnudasan. International Journal of Botany Studies,Volume6,Issue 6,page 343 348(Web of Science)ISSN 2455-541X Online ISSN : 2455-541X Peer reviewed	2021	
14	Paper publication onEggplant(<i>Solanum Melongena</i> L.) In Contemporary Agriculture :A Comprehensive Review,Soumyamol N and Sheeba M J. International Journal of All Research Education and Scientific Methodes(IJARESM) ISSN :2455-6211,Vol 11,Issue 10, pages652-656 Peer Reviewed and Ugc Approved Journal Peer reviewed	2023	
15	Paper publication on A Brief Review on Potential Flowering Plant in Plantaginaceae : Amazone Blue Anusha S .Britto, Sheeba M J, Sivu A .R. International Journal of All Research Education and Scientific Methodes(IJARESM) ISSN :2455-6211,Vol 11,Issue 10, pages 1158-1162 Peer Reviewed and Ugc Approved Journal	2023	
16	Paper publication on From One Leaf to a Thriving Garden: Exploring Phytomodels and Regenration Techniques in Sweet potato Sheeba M J, International Journal of All Research Education and Scientific Methodes(IJARESM) ISSN :2455-6211,Vol	2023	

	11, Issue 10, pages 172-178 Peer Reviewed and Ugc Approved		
17	Paper publication on Foliar Epidermal Studies in Some Selected Members of Rubiaceae and Fabaceae ,Sheeba M J, International Journal of All Research Education and Scientific Methodes(IJARESM) ISSN :2455-6211, Vol 11, Issue 11, pages 1131-1140 Peer Reviewed and Ugc Approved Journal	2023	
18	Paper publication on An integration of Indian Philosophy and Machine Learning for Human like Cognition .Akhbar Sha, Anvita Reddy Inture, Jose Joseph, Pavithra P M Nair, M J Sheeba, Anjal .Scopus indexed publication. IEEE XPLORE ISBN:979-8-3503-4023-5 ICACRS 2023	2023	
19	Paper publication on Optimising Cultivation Techniques and Nutritional Profiles of Selected Brinjal Varieties in Solanaceae ,ISSN 2278-747X Nizarudeen Soumyamol Muhammed Jameelabeevi Sheeba-Asian Journal of Biological and Life Sciences Vol 13 ,Issue 2 eISSN 2278-5957	2024	
20	Paper publication on Foliar epidermal micro-morphology of selected brinjal varieties: A study on leaf surface characters, Nizarudeen Soumyamol Muhammed Jameelabeevi Sheeba, Current Botany ISSN 2220-4822 Vol.15 pp115-119	2024	

Research Projects

Sl. No	Title of the Project	Funding Agency	Amount	Period	Research score

1	Comparative study of Plant Morphology and Palynology in Nymphaeaceae and Nelumbonaceae.MRP(S) 363/08-09/KLKE 020/UGC-SWRO dated 30 March 2009.	UGC	88000/	2009-2012	
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Paper presentations

Sl. No.	Details of the conferences & Seminars	Research score
1	Presented a paper titled ' Azolla Cultivation, Survey and Awareness Programme in KilikolloorPanchayath in Kollam District ' in National SeminarBiofest 2012 on Recent Trends and Future Prospects of Biodiversity and Conservation on March 15-16 ,2012 Organized by Dept. of Botany and Zoology S.N College Punlur ,Kollam.Book of Abstract was published in the College. Pages 44-45. The paper wasPublished in Re -JournalVol 1,No 2, December 2011 ,Pages 12-17, Research Journal of T.K.M College of Arts and Science ,Kollam.	
2	College level presentation and Paper Publication titled' Studies of some selected antidiabeticplants ' Re-Journal Vol2,No 2, December 2012 , pages 17 -23 , Research Journal of T.K.M College of Arts and Science ,Kollam.	
3	Presented a paper titled ' Comparative study of plant morphology and palynology in Nymphaea and Nilumbium 'in UGC Sponsored National seminar on Ethnic Knowledge of Biological Resources in Contemporary Plant Sciences on 28&29 August 2014S N College for Women, Kollam.Book of Proceedings was published in the College.Pages 41-42	

4	Presented a paper titled ' Studies on <i>Ficus auriculata</i> an edible future crop ' National Symposium on Under Utilized and Wild Edible Plants of India 'Future Crops'10-11 December,2014. Department of Botany, University of Kerala. Book of Abstract was published in the College. Page no – 13	
5	Presented a paper titled ' Foliar epidermal studies in selected members of Rubiaceae and Fabaceae ' National Seminar on Flowering Plant Reproduction and Diversity 9-10 January 2015 Department of Botany FMN College Kollam. Proceedings with Abstract .	
6	Presented a paper titled ' Influence of Arbuscular Mycorrhizal Association on the Quantitative and Qualitative characters of <i>Ipomoea batatas</i> (L.)Lam Genotypes ' National Seminar on Conservation of Wetland Ecosystems for long term Ecological Security. Conducted by the Department of Botany S.N College for Women,Kollam from 18-20 January 2018.. Book of Abstract was published in the College. Pages 107-108 .	
7	Presented a paper titled ' Anthocyanin-A Potential Natural food Colourant from <i>Ipomoea batatas</i> (L.)Lam Genotypes ' National seminar on Insights into the Interdisciplinary Perspectives of Chemical and Biosciences, Department of Chemistry, Botany and Biotechnology Govt.Arts College, Thiruvananthapuram from 26-28 February 2018.Book of Abstract was published in the College. Page no- 66.	
8	Presented a paper entitled ' Genotype Dependent Variations of Sweet Potato in Photosynthetic Characteristics ' on International Conference on Exploring the Scope of Plant Genetic Resources PROEECTUS PLANTAE '19 Organised by the Department of Botany ,University of Kerala. May 22-24,2019.BookofExtendedAbstract was published in the College.Pages 539-542.	
9	Presented a paper entitled ' Documentation of Tree Species in	

	Adventure Park,Asramam, Kollam ‘ In Annual Conference of Indian Association for Angiosperm Taxonomy and National Symposium 11-13, November ,2019 KSCSTE-JNTBGRI,Palode,Thiruvananthapuram. Book of Abstract published in JNTBGRI ,Palode.Page no- 110.	
10	Presented a paper entitled ‘ Seaweeds As A Source Of Fattyacid For Biodiesel Production ‘ on International Conference on Energy and Environment ICEE 12-14 December ,2019 T.K.M.College of Arts and Science,Kollam. Book ofAbstract was published in the College.Page no- 85	
11	Presented a paper entitled ‘ ICT Oriented Teaching , Learning and Its Importance in Sciences’ Organizedby Internal Quality Assurance Cell (IQAC) NAAC Sponsored National seminar on Challenges and Changes in AQAR and SSR Preparation Organized by S.N College for Women, Kollam from 19-20 December 2019.Book of Abstract was published in the College Page no-18.	
12	Paper presentation on Data Collection Studies on Genotype Dependent Variations in Promising South Indian Cultivated <i>Solanum melongena</i> L. Organised by University of Kerala, Thiruvananthapuram, International Conference on New Horizons in Plant Science(NHPS 2020) from 04/01/2021 to 09/01/2021	
13	Paper presentation on Studies of Elephant Ear Fig Tree(<i>Ficus auriculata</i> Lour.) A Heavenly Fruit Related with Conservation and Cultivation for Ecological Security in International Conference on Role of Indigenous People /Tribals in Wild life Conservation Organised by Kerala Law Academy Law College in Association with CALSAL Trivandrum on 20/03/2021 and 21/03/2021	
14	Paper presentation on Vegetable crop cultivation practices and production Technology of Brinjal in International Conference on Advanced Biology (ICAB 2022) Organised by Inter university centre for Evolutionary and Integrative Biology (Iceib) University of Kerala on23/02/2022 to 25/02/2022	
15	Paper presentation on A Review on Brazilian Snapdragon :An exotic Garden Plant in International Seminar on Plant Science Research Organised by Post graduate & Research Department of Botany M.G College, Thiruvananthapuram on 03/03/2022 to 04/03/2022	

16	Paper presentation on Morphotaxonomical studies of Brazilian Snapdragon in International Conference on Advanced Biology (ICAB 2022) Organised by Inter university centre for Evolutionary and Integrative Biology(Iceib) University of Kerala on 23/02/2022 to 25/02/2022	
17	Paper presentation on Photosynthetic Studies in Selected Varieties of Brinjal in International Seminar on Plant Science Research Organised by Post graduate & Research Department of Botany M.G College, Thiruvananthapuram on 03/03/2022 to 04/03/2022	
18	Paper presentation in The Indian Science Congress Association during the 108 th Indian science Congress held at R.T.M Nagpr University, Maharastra from 3 to 7,2023.paper entitled Brief Anatomic Characterization of Brazilian Snapdragon –An exotic Gardon plant	
19	Paper presentation in The Indian Science Congress Association during the 108 th Indian science Congress held at R.T.M NagprUniversity,Maharastra from 3 to 7,2023.paper entitled Foliar epidermal Micro morphology of selected Brinjal varieties RESEARCH SCORE-	
20	Paper presentation in The Indian Science Congress Association during the 108 th Indian science Congress held at Rashtasant TUKADOJI Maharaj Nagar University, Nagpur,Maharashtra from January 3 to 7,2023 Paper entitled Anatomic Characterisation of Brazilian Snapdragon An Exotic Garden Plant	
21	Paper presentation in The Indian Science Congress Association during the 108 th Indian science Congress held at Rashtasant TUKADOJI Maharaj Nagar University, Nagpur,Maharashtra from January 3 to 7,2023 Paper entitled Foliar epidermal Micromorphology of Selected Brinjal Varities	
22	Paper presentation on An Integration of Philosophy and Machine Learning for Human-like Cognition in 2nd International Conference on Automation, Computing and Renewable systems(ICACRS 2023) Organised by Dept of Electronics and Communication Engineering and Technology, Puthukottai, Tamil Nadu on 11-13 December 2023	
23	Paper presentation on Pollen Profiling of selected Brinjal Solanum melongena L. varieties Insights into Genetic Variability International Colloquium on Biochemical Engineering.Catholic collge Pathanam thitta 2 nd August 2024	
24	Paper presentation on Influence of VAM Inoculation on yield and Morphological Characteristics of Brinjal Varieties. C.Abdul Hakeem College Autonomous Melvisharam TAMILNADU on 18-20	

	December 2024	
25	Paper presentation on Comprehensive Nutritional Profiling of selected Brinjal varieties International conference on Science,Society and Culture Govt College for Women 16-18 January 2025	
26	Paper presentation on Influence of Azospirillum inoculation on yield and Morphological Characteristics of Brinjal varieties .Symposium on Current Trends and Challenges in Plant Biotechnology 24-26 February at BITS Pilani K.K Birla Goa campus	
27	Paper presentation on Headspace GC-MS Characterization of Showy Flowers of Brazilian Snapdragon . Symposium on Current Trends and Challenges in Plant Biotechnology 24-26 February at BITS Pilani K.K Birla Goa campus	

Total Research Score:

Career Achievements

- 1 Appointed as Coordinator of Social service and Extension activity of the College from 2012 onwards
- 2 Appointed as Coordinator of Scholar Support Programme of the College from 2014 onwards.
- 3 Recognized as Research Supervisor in the Faculty of Science/Botany M.G College, Thiruvananthapuram from University of Kerala No. Ac.EVI(42327/2018 dated 11/10/2019.Thiruvananthapuram .
- 4 Appointed as IQAC member and Criterion chief of the college from 2012 onwards.
- 5 Appointed as member of Discipline committee, Member of Anti ragging cell committee, Member of Anti sexual harassment and Protection cell, member of Women's grievance and Redressal cell ,Member of Library Advisory Committee and Faculty Advisor of BSc.Botany Students.
- 6 College level Coordinator of Green House for Performing Arts and sports competitions.
- 7 Coordinator of College level Internal Complaint Cell (ICC) in the year 2019
- 8 Appointed as Presiding Officer in Assembly and Parliament Election works
- 9 Coordinator of Certificate course in COMPUTATIONAL GENETICS in the Department of Botany 2021 onwards

- 10 Appointed as Additional Chief Superintendent of the University Examination from 08/09/2021
- 11 Research supervisor in Botany of Kerala University and currently Guiding Two Ph.D students
- 12 In charge in OFFICIAL DUTIES in the absence of PRINCIPAL
- 13 Chief Superintendent of SLCM NEW GEN EXAMINATION ,University of Kerala
- 14 Coordinated the activities of Botany and Zoology Dept for BIODIVERSITY PARK in TKMCAS
- 15 Elected to College Council member in 2022.
- 16 Coordinator of Exam Grievance Redressal Cell of the college
- 17 Member of Women's Grievance Redressal Cell & Internal Complaint Committee
- 18 Conducting workshop on Community Development Programme on the topic SLEEP GOOD SCORE GOOD FOR Higher Secondary students in Govt Higher Secondary School, Ochira and Govt HSS, Vithura
- 19 Engaged in UG and PG admission duties as Principal in Charge and admitted the students for the last two Academic years
- 20 Member of Discipline committee in 2023 -2024
- 21 Working as HOD in the Department of Botany
- 22 Coordinator of Examination committee of T.K.M College of Arts and Science
- 23 Coordinator of Swatch Bharath Kollam Jilla Shuchitwa mission
- 24 Presiding officer of ICC at college level
- 25 Passed Departmental Test- Account Test for Executive Officers conducted by Kerala Public Service Commission January 2024 with Reg No 123312
- 26 Appointment as Principal and Professor on 15/11/2024

Academic Staff College Orientation/Refresher and Short term Courses attended:

Name of the Course /Summer School	Place	Duration	Sponsoring Agency
Orientation Course IT Oriented	ASC, University of Kerala.	23/05/2009 to 19/06/2009	UGC

Refresher course in Environment Science	ASC, University of Kerala	01-02-2012 to 22-02-2012	UGC
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UGC Sponsored Refresher Course in Life sciences[Inter disciplinary]	UGC Academic staff college, University of kerala, Kariavattom	19-7-2013 to 8-8-2013	UGC
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UGC Sponsored Short Term Course in soft skill development	UGC Academic staff college, University of kerala, Kariavattom	18-3-2014 to 22-3-2014.	UGC
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UGC Sponsored Refresher course in Environmental sciences	UGC Academic staff college, University of kerala, Kariavattom	2-2-2017 to 22-2-2017	UGC
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UGC Sponsored Short Term Course in Student Counselling and Mentoring	UGC Academic staff college, University of kerala, Kariavattom	04/07/2019 to 10/07/2019	UGC
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Short term Course on MOOCS,E content Development and Open Educational Resources	UGC HRDC, University of Kerala	25/09/2019 to 01/10/2019	UGC
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One week FDP in Science (Philosophy of Science)	IMG, Thiruvananthapuram	23/11/2019 to 27/11/2019	The Kerala State Higher Education Council, TVM
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One week FDP on Online Education in Higher Education Institutions	Faculty Development Centre TVM	13/07/2020 to 17/07/2020	The Kerala State Higher Education Council, TVM
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One week FDP on OUTCOME BASED EDUCATION	IQAC,TKMCAS &KSHEC	03/08/2021 to 09/08/2021/	KSHEC
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