

RESUME



Name: Dr. Johnson, M. F.I.F.S.,

Designation: Assistant Professor in Botany,

Director, Centre for Plant Biotechnology,

Department: Department of Botany,

St. Xavier's College (Autonomous), Palayamkottai

**Address: 668/3A. SHALOM,
Near Good Shepherd Matriculation School,
Alagar Nagar,
Perumalpuram Extension, Tirunelveli – 627 007
Tamil Nadu, India**

PERSONAL DETAILS

Date of Birth : 19th February, 1977

Qualification : M. Sc., Ph.D.,

Designation : Assistant Professor (Gr. II)

Department : BOTANY

Community : NADAR

Religion : ROMAN CATHOLIC

Nationality : INDIAN

Mobile : 00 91 97869 24334

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ACADEMIC QUALIFICATIONS

Degree	Specialization	College	University	Year of Passing
Ph.D in Botany	Botany	St.Xavier's College (Autonomous), Palayamkottai	Manonmaniam Sundaranar Univeristy	1999-2003
M.Sc.	Botany	St.Xavier's College (Autonomous), Palayamkottai	Manonmaniam Sundaranar Univeristy	1999
B.Sc.	Botany	St.Xavier's College (Autonomous), Palayamkottai	Manonmaniam Sundaranar Univeristy	1997

ACADEMIC IDENTITY

*VIDWAN ID	289691
*ORCID ID	https://orcid.org/0000-0001-5825-1388
*SCOPUS ID	http://scopus.com/authid/detail.url?authorid=36647543900
*RESEARCHER ID/ PUBLONS ID	Web of Science Researcher ID -G - 4439-2012 http://publons.com/wos-op/researcher/2716162/johnson-marimuthu-alias-antonysamy/
GOOGLE SCHOLAR LINK	http://scholar.google.com/citations?user=KuotQfoAAAAAJ&hl=en

TEACHING EXPERIENCE

Date of Appointment	22 nd October 2007
Date of Retirement	28.02.2037
Teaching Experience	UG: 19 Yrs 1 Month
	PG: 16 Yrs 1 Month
	M.Phil. 4 Yrs.
Research	Guided M Phil: 5 Guided Ph D: 11 Guiding Ph Scholar: 4

COURSES/CLASSES TAUGHT	NAME OF THE INSTITUTIONS	DURATION		Years
		From	To	
B.Sc., M.Sc., M.Phil. Biotechnology	Muthayammal College of Arts and Science, Rasipuram, Namakkal	16 th July, 2003	28 th September, 2004	1 Yr 2 Months 12 Days
B.Sc., M.Sc., Biology	Bahir Dar University, Bahir Dar, Ethiopia	1 st October, 2004	20 th October, 2007	3 Yrs 20 Days
B.Sc., M.Sc., M.Phil., Ph.D., Botany	St. Xavier's College, Palayamkottai	22 nd October, 2007	Till Date	14 Yrs 9 Months 24 Days

AWARDS RECEIVED	
1.	Fellow of Indian Fern Society - 2020 (F.I.F.S.)
2.	Prof. Sethi Certificate of Merit - HPTLC
3.	Prof. S.S. Bir Gold Medal - Indian Fern Society - 2017
4.	Certificate of Merit 2014 - Indian Fern Society
5.	DST/SERB -Young Scientist - 2013
6.	Special Mention Scientist
7.	Best Researcher Award for the Academic Year 2010-2011, 2012-2013

ADMINISTRATIVE EXPERIENCE			
S. No	DESIGNATION	INSTITUTIONS	YEAR
1.	Director	Centre for Plant Biotechnology	

MEMBERSHIP		
S. No	Designation	Particulars
1.	Member	IUCN Western Ghats plants specialist group (2017 - 2021)
2.	Associate Member	International Society for Development and Sustainability (ISDS).
3.	Life Member and Executive	Indian Fern Society, India

	Committee member	
4.	Life Member	Proteomic Society of India
5.	Life Member	National Academy of Biological Sciences
6.	Life Member	International Society of Plant Morphologist
7.	Member	Board of Studies, Department of Botany, St. Xavier's College
8.	Member	Board of Studies, Department of Botany, Scott Christian College, Nagercoil
9.	Member	Board of Studies, Department of Botany, Sadak Abdullah Appa College
10.	Member	Board of Studies, St. Mary's College, Thoothukudi
11.	Subject Expert - Academic Audit	Department of Botany, Holy Cross College, Nagercoil, Tamil Nadu, India
12.	PhD Examiner	Bharathiar University, Coimbatore, Tamil Nadu, India
13.	PhD Examiner	Vellore Institute of Technology, Vellore, Tamil Nadu
14.	PhD Examiner	Bharathidasan University, Trichy, Tamil Nadu
15.	PhD Examiner	Manonmaniam Sundaranar University, Tirunelveli
16.	Examiner	Under graduate, Post Graduate and Master of Philosophy, - Manonmaniam Sundaranar University, Tirunelveli, St. Mary's College, Thoothukudi, Scott Christian College, Nagercoil, Sri Parasakthi College, Courtallum, Sadakabdulla Appa College, Tirunelveli

ORIENTATION / REFRESHER COURSES / FACULTY DEVELOPMENT PROGRAMME UNDERGONE (8)

S. No	Name of the Training	Name of the Sponsoring Agency	Place and Date
1	Orientation	UGC	ASC- Bharathiar University, Coimbatore. 07.05.2010 to 03.06.2010
2	Refresher	UGC	ASC - Bharathiar University , Coimbatore. 12-05-2011 to 01-06-2011
3	Refresher	UGC	ASC - Bharathiar University , Coimbatore. 06-05-2015 to 26-05-2015
4	Refresher	UGC	ASC- Mizoram University,

			Mizoram. 07.07.2020 to 20.07.2020
5	Faculty Development Programme	AICTE	Mepco Schlenk Engineering College, Sivakasi. 04.12.2017 to 16.12.2017
6	Short Term Training Programme	AICTS	Francis Xavier Engineering College, Tirunelveli 26.10.2020 to 31.10.2020
7	Short Term Training		Manipal School of Life sciences, Manipal. 04.01.2021 to 08.01.2021
8	Short Term Training		Alagappa university, Karaikudi 19.05.2020 to 30. 05.2020

DETAILS OF RESEARCH WORK

Research Stages	Title of the Thesis	University where the work was carried out

AREAS OF RESEARCH

Cyptogamic Botany (Seaweeds and Pteridophytes)
Plant Bio-Technology
Plant Molecular Biology
Phytochemistry
Biological activities and Pharmacology
Drug Developments

RESEARCH PROJECTS CARRIED OUT

S. No	Title of the Project (Major)	Name of the Funding Agency & Amount	Duration

	<i>Ex situ</i> Conservation through <i>in vitro</i> propagation and restoration of medicinally important risky Ferns of the Western Ghats, India	UGC, Rs. 9,00, 800	2012-2015
	Micropropagation and restoration of medicinally important Ferns of the Western Ghats, India	SERB, DST, Rs. 19,50, 000	2012-2015
	Large Scale Propagation of medicinally important ferns of the Western Ghats, India	CSIR, (Rs. 6,85,000 + 5,82,000 + 5,82,000+1,45,500)	2016-2019
	Morpho-Anatomical and Histochemical Studies on Pteridophytes using Foldscope	Department of Biotechnology, Rs. 8,00,000/-	2018-2021
	Inter - Specific and Intra Specific variation studies on Plumbago species	Mentor- DST Inspire Fellowship Rs. 5, 42,000/-	2012-2015

Minor Projects and Workshop Organized

- DBT Sponsored Short Term Training on “Hands on Training in Plant Biotechnology” from 19th August, 2013 to 06th September, 2013 for college teachers and mid-career scientists - 2,15,000.00
- Science Academies sponsored Lecture Workshop on Plant Taxonomy: Concerns and Strategies 12 - 13th February, 2018 Rs. 1,34,850.00
- Science Academies sponsored Lecture Workshop on Recent Trends in Microbiology and Biotechnology 04-05th December, 2018 Rs. 1,50,000.00
- UBCHEA Sponsored Promoting Environment Education in Higher Education Institutions, Rs. 50,000/- (2012) - To establish the Environmental Resource Centre and National Seminar

PUBLICATIONS

BOOKS

BOOK

SCOPUS

WEB OF

UGC

	CHAPTERS		SCIENCE	LISTED
As Author - 1 As Editor- 6	42			
OTHER INDEXED	AS A RESOURCE PERSON	PAPERS PRESENTED IN NATIONAL AND INTERNATIONAL SEMINARS	WEBINARS, SEMINARS, WORKSHOPS ATTENDED	
		111		

PUBLICATIONS: BOOKS (1)				
S. No	Title of the Book	Publication	Year	
1	Lycophytes and Ferns of Shervarayan Hills	Centre for Plant Biotechnology, St. Xavier's College, Palayamkottai and Tamil Nadu Forest Department, Salem Division. ISBN No: 978-93-5396-774-1	2020	
As Editor				
1	Ferns - Biotechnology, Propagation, Medicinal Uses and Environmental Regulation.	Springer, Singapore.	2022	
2	2 nd National Conference on Current Trends in Biological Sciences Abstract ISBN No: 978-93-5396-929-5	Department of Botany, SXC	2020	
3	Proceedings of the National Conference on Contemporary Environmental Issues and Conservation of Southern Western Ghats. ISBN No: 978-93-5346-840-8	Department of Botany, SXC	2019	
4	National Conference on Current Trends in Biological Sciences Abstract. ISBN No:978-93-5351-752-6	Department of Botany, SXC	2019	
5	Hands on Training in Plant Biotechnology - Laboratory Manual, Centre for Plant Biotechnology, St. Xavier's College, Palayamkottai, Tamil Nadu, India. ISBN No: 9789353967741	Department of Botany, SXC	2013	
6	Proceedings of the National Conference on Environmental Education. ISBN No: 978-93-5361-010-4	Centre for Environmental Sciences, SXC	2013	

BOOK CHAPTERS (42)			
S. N	Title of the Paper	Name of the Book	ISSN No., Pg.No

0			
1	Micro propagation and conservation of rare and endangered ferns of the Southern Western Ghats through in vitro culture.	In: SubhashChandra and MrittunjaiSrivastava, Pteridology of New Millennium Kluwer Academic Publishers, Netherlands, 2003.	ISBN: 9789401728119.
2	Conservation of Endangered ferns of Western Ghats through micro propagation.	In: SC Verma, SP Khuller & HK Cheema (eds) Perspectives in Pteridophytes. Bishen Singh Mahendra Pal Singh Publications, Dehradun, India. 2008.	ISBN: 978-812-1107020.
3	Water Quality Analysis.	In: Rural Resources Utilization & Recovery Systems DIT Programme, Sponsored by TNSCST. 2011	Pp: 48-55.
4	Phytochemical and Bio-efficacy studies on <i>Plumbagorosea</i> L.	In: Parimelazhagan T. (editor) Scientific Basis of Herbal Medicine, DayaPublsihing House, New Delhi. 2013	Pp: 95-100. ISBN: 9788170358732.
5	Evaluation of Anti-diabetic Potential of <i>Phyllanthusreticulatus</i> Poi r.	In: Parimelazhagan T. (editor) Traditional Medicine, Chapter VI; 2013	Pp: 43-47. ISBN: 978-81-7132-743-0.
6	Evaluation of Antibacterial potential of <i>Phyllanthusemblica</i> L against some selected fish pathogens.	In: Parimelazhagan T. (editor) Turning Plants, Chapter IV; 2013	Pp: 23-28. ISBN: 9789381450468.
7	Evaluation of Antibacterial activity of <i>Phyllanthusreticulatus</i> Poi r.	In: Parimelazhagan T. (editor) Turning Plants, Chapter VI; 2013	Pp: 43-47. ISBN: 9789381450468.
8	Phytochemical and antibacterial	In: Parimelazhagan T. (editor) Turning	Pp: 79-84. 2013. ISBN: 9789381450468.

	activity of the green seaweed <i>Caulerpa scapelliformis</i> (R. Br.) Weber-Van Bosse.	Plants, Chapter IX; (2013)	
9	Pharmacognostic and Phytochemical analysis of <i>Solanum anguivi</i> Lam. and <i>Solanum torvum</i> Sw.	In: Parimelazhagan T. (editor) Turning Plants, Chapter XII; 2013	Pp: 103-111. ISBN: 9789381450468.
10	Evaluation of Anti-diabetic potential of <i>Phyllanthus emblica</i> L.	In: Parimelazhagan T. (editor) Turning Plants, Chapter XXI; 2013	Pp: 161-166. ISBN: 9789381450468.
11	Phytochemical studies on <i>Gracilaria pygmaea</i> using TLC, FT-IR and HPLC	In: V. K. Gupta, G.D. Singh, S. Singh, A. Kaul, Medicinal Plants: Phytochemistry, Pharmacology and Therapeutics, Daya Publishing House, New Delhi, 2014;	Vol. 3: 357- 368. 2014. ISBN: 978-8170358756.
12	Phytochemical and Histochemical studies on Different species of <i>Selaginella</i>	In: V. K. Gupta, G.D. Singh, S. Singh, A. Kaul, Medicinal Plants: Phytochemistry, Pharmacology and Therapeutics Daya Publishing House, New Delhi, 2014;	Vol. 3: 413- 421. 2014. ISBN: 9788170358640.
13	Morpho- Anatomy, Phytochemistry and Pharmacology of Anticancer Spike – Mosses: A Review.	In: V. K. Gupta, Natural Products Research Reviews, Daya Publishing House, New Delhi, 2014;	Vol. 2: 213- 237. 2014. ISBN: 9788170358664.
14	Histochemical studies on selected medicinally important Primitive Ferns of Western Ghats, South India.	In: V. K. Gupta and A. Kaul, Utilisation and Management of Medicinal Plants, Daya Publishing House, New Delhi, 2014;	Vol. 2: 115- 152. 2014. ISBN: 978-8170358756.
15	Histochemical studies on selected medicinally important Advanced	In: V. K. Gupta and A. Kaul, Utilisation and	Vol. 2: 153- 187. 2014. ISBN: 978-8170358756.

	Ferns of Wesern Ghats, South India.	Managemtn of Medicinal Plants, Daya Publishing House, New Delhi, 2014;	
16	Medicinal Plants Phytochmistry and Biopotentials of Seaweeds: A Review.	In: Parimelazhagan T. Modern methods in PhytomedicineDay a Publishing House, A division of Astral International Pvt. Ltd., New Delhi, 2015;	pp: 101- 141. 2015. ISBN: 9789351306849.
17	Inter-specific variation studies on selected medicinally important <i>Phyllanthus</i> species using SDS-PAGE.	In: T.Pullaiiah, S.Karuppasamy and S. Sandhya Rani, Biodiversity in India, Regency publications a division of Astral International Pvt. Ltd., New Delhi, 2014;	Chapter: 9; pp: 177- 185. 2014. ISBN: 978-81-8923-392-1.
18	Chromotographic studies on some selected <i>Selaginellaspecies</i> .	In: T.Pullaiiah, S.Karuppasamy and S. Sandhya Rani, Biodiversity in India, Regency publications a division of Astral International Pvt. Ltd., New Delhi, 2014;	Chapter: 9; pp: 187- 197. 2014. ISBN: 978-81-8923-392-1.
19	Biodiversity and Conservation	In: Gunaseeli R, Jessie RanjithaJebaselvi C and PriyatharsiniRajendran, Essentials of environmental education, Centre for environmental studies, Lady Doak College, Madurai. 2014;	Chapter: 4; pp: 48- 67. 2014. ISBN: 81-900971-8-0.
20	<i>Agrobacterium tumefaciens</i> mediated plant transformation	In: Dominic Rajkumar, S and J.K. Lal, Plant	L 7; P- 9; pp: 78- 83. 2014. ISBN: 978-93-84734-03-9

		Molecular Cytogenetics A practical Approach, B-Digest Publications, Tamil Nadu, India, 2014,	
21	Isolation of Plasmid.	In: Dominic Rajkumar, S and J.K. Lal, Plant Molecular Cytogenetics A practical Approach, B-Digest Publications, Tamil Nadu, India,, 2014,	P- 10; pp: 84- 86. 2014. ISBN: 978-93-84734-03-9
22	Isolation and extraction of metabolites.	In: Dominic Rajkumar, S and J.K. Lal, Plant Molecular Cytogenetics A practical Approach, B-Digest Publications, Tamil Nadu, India, 2014,	P- 11; pp: 87- 88. 2014. ISBN: 978-93-84734-03-9.
23	Agarose Gel Electrophoresis.	In: Dominic Rajkumar, S and J.K. Lal, Plant Molecular Cytogenetics A practical Approach, B-Digest Publications, Tamil Nadu, India,, 2014	L 8; P- 12; pp: 89. 2014. ISBN: 978-93-84734-03-9
24	SDS-PAGE.	In: Dominic Rajkumar, S and J.K. Lal, Plant Molecular Cytogenetics A practical Approach, B-Digest Publications,	L 9; P- 13; pp: 90- 94. 2014. ISBN: 978-93-84734-03-9.

		Tamil Nadu, India,, 2014	
25	Silver Staining Using Gel Doc Protocol.	In: Dominic Rajkumar, S and J.K. Lal, Plant Molecular Cytogenetics A practical Approach, B-Digest Publications, Tamil Nadu, India,, 2014,	P- 14; pp: 95- 96. 2014. ISBN: 978-93-84734-03-9.
26	Polymerase Chain Reaction.	In: Dominic Rajkumar, S and J.K. Lal, Plant Molecular Cytogenetics A practical Approach, B-Digest Publications, Tamil Nadu, India,, 2014	L 10; P- 15; pp: 97- 99. 2014. ISBN: 978-93-84734-03-9.
27	In vitro multiplication of <i>Pronephriumtriphyllum</i> (Sw.) Holttum – An Endangered fern.	In: Pulliah T. Biotechnological Approaches for Sustainable Development Regency publications a division of Astral International Pvt. Ltd., New Delhi, 2015	Chapter: 8; pp: 169- 178. 2015. ISBN: 978-81-8923-393-8.
28	Effect of Plant Growth Regulators on in vitro raised gametophytes of <i>Phlebodiummaureum</i> L.	In: Pulliah T. Biotechnological Approaches for Sustainable Development Regency publications a division of Astral International Pvt. Ltd., New Delhi, 2014;	Chapter: 9; pp: 179-188. 2015. ISBN: 978-81-8923-393-8.
29	Medicinal Plants Phytochemistry and Biopotentials of Seaweeds: A Review.	In: Parimelazhagan T. Biotechnological Modern methods	pp: 101- 141. 2015. ISBN: 978-93-5124-663-3.

		in PhytomedicineDay a Publishing House, A division of Astral International Pvt. Ltd., New Delhi, 2015;	
30	Micro propagation and conservation of rare and endangered ferns of the Southern Western Ghats through in vitro culture.	In: SubhashChandra and MrittunjaiSrivastava, Pteridology of New Millennium Kluwer Academic Publishers, Netherlands . 2003.	ISBN: 9789401728119.
31	Conservation of Endangered ferns of Western Ghats through micro propagation.	In. SC Verma, SP Khuller& HK Cheema (eds) Perspectives in Pteridophytes. Bishen Singh Mahendra Pal Singh Publications, Dehradun, India. 2008.	ISBN: 978-812-1107020
32	Novel synthesis of silver nanopeptides using protein extracts of <i>Selaginellaintermedia</i> (Bl.) String.	In: V. K. Gupta, G.D. Singh, S. Singh, A. Kaul, Medicinal Plants: Phytochemistry, Pharmacology and Therapeutics Daya Publishing House, New Delhi.	Pp: 489-497. 2016. ISBN: 978-93-5124-704-3
33	Inter- specific variation studies on <i>Cissus</i> species using histochemical and SDS- PAGE.	In: V. K. Gupta and A. Kaul, Utilization and management of medicinal plants. Daya Publishing House, New Delhi	Pp: 121-133. 2016. ISBN: 978-93-5124-705-0.
34	Biochemical variation studies on the silver and golden ferns.	In. Pteridology Today: Challenges and Opportunities (283-287) Proceedings of the	Pp: 283-287. 2018. ISBN: 81817099-4.

		Symposium held at BSI, WRC, Pune.	
35	Effect of plant growth regulators on Vegetative propagation of <i>Pterisotaria</i> Beddome.	In: Pteridology Today: Challenges and Opportunities (327-332) Proceedings of the Symposium held at BSI, WRC, Pune.	Pp: 327-332. 2018. ISBN: 81817099-4.
36	Antibacterial and Antifungal Efficacy of Different Varieties of <i>Dicranopteris linearis</i> .	In: V. K. Gupta and A. Kaul, Utilization and management of medicinal plants. Daya Publishing House, New Delhi,	Pp: 307-313. 2016. ISBN: 978-93-5124-705-0.
37	CRISPR/Cas system for the development of disease resistance in horticulture crops.	IN: Kamel Abd-Elsalam Ki-Taek Lim. (Eds) CRISPR and RNAi Systems: Bionanotechnology Approaches to Plant Breeding and Protection.	Chapter 6. ISBN: 9780128219102. Elsevier 2021. https://www.elsevier.com/books/crispr-and-rnai-systems/abd-elsalam/978-0-12-821910-2
38	Biopotency of Pteridophytes: A Review.	In: Marimuthu, J., Fernández, H., Kumar, A., Thangaiah, S. (eds) Ferns (Biotechnology, Propagation, Medicinal Uses and Environmental Regulation). Springer, Singapore.	pp. 481-519 https://doi.org/10.1007/978-981-16-6170-9_20
39	Phytochemistry of Indian Pteridophytes: A Review.	In: Marimuthu, J., Fernández, H., Kumar, A., Thangaiah, S. (eds) Ferns (Biotechnology, Propagation, Medicinal Uses and Environmental Regulation). Springer,	pp. 433-480 https://doi.org/10.1007/978-981-16-6170-9_19

		Singapore.	
40	Apogamy, Apospory, Somatic Embryogenesis, and Vegetative Propagation in Ferns: A Review.	In: Marimuthu, J., Fernández, H., Kumar, A., Thangaiah, S. (eds) Ferns (Biotechnology, Propagation, Medicinal Uses and Environmental Regulation). Springer, Singapore.	pp. 285-307 https://doi.org/10.1007/978-981-16-6170-9_13
41	In Vitro Propagation of Two Epiphytic Ferns.	In: Marimuthu, J., Fernández, H., Kumar, A., Thangaiah, S. (eds) Ferns (Biotechnology, Propagation, Medicinal Uses and Environmental Regulation). Springer, Singapore.	pp. 249-260 https://doi.org/10.1007/978-981-16-6170-9_11
42	A Review on Molecular Phylogeny of Pteridophytes Using DNA Barcoding.	In: Marimuthu, J., Fernández, H., Kumar, A., Thangaiah, S. (eds) Ferns (Biotechnology, Propagation, Medicinal Uses and Environmental Regulation). Springer, Singapore.	pp.39-58 https://doi.org/10.1007/978-981-16-6170-9_3

PUBLICATIONS: SCOPUS INDEXED JOURNALS (WEB OF SCIENCE)

S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor & Pg. No
1.	Biochemical Profile of Resurrection fern allies: Selaginella wightii Heiron and Selaginella involvens	Vegetos	http. Doi.org/10.1007/s42535-022-00371-w

	(S. W.) Spring		
2.	Biochemical profile, in vitro toxicity and Cytotoxic activity of <i>Erogrostisamabilis</i> (L.) Wight. Arn. and <i>Erogrostispilosa</i> (L.) Beauv.	Letters in Applied NanoBioScience	2022: 11(2): 3480-3487
3.	In vitro antioxidant potential of <i>Abruspercatorius</i> L. and <i>Asystasiaganetica</i> (L.) T. Anderson.	Letters in Applied NanoBioScience	2022: 11(4): 4071-4079
4.	Chemical Profiling of <i>Tectariaparadoxa</i> (Fee.) Sledge and <i>Bolbitisappendiculata</i> (Willd.) K. Iwats using UHPLC	Biocatalysis and Agricultural Biotechnology	2021, 102043, https://doi.org/10.1016/j.bcab.2021.102043 .
5.	Evaluation of Phenolic constituents and toxicity of Lycophytes and Ferns of Shervarayan Hills aqueous extracts.	Chemistry Africa	2021, doi. 10.1007/s42250-021-00240-0
6.	Optimization of DNA isolation and amplification protocol for <i>Gracilaria</i> and <i>Sargassum</i> species of Tamil Nadu coast	Aquatic Botany	2021, 171: 103377, https://doi.org/10.1016/j.aquabot.2021.103377 .
7.	Lycophytes and Ferns of Nedumangad to Kulashekaram.	Indian Forester	2021; 147 (7): 657-661
8.	Synthesis, characterization, ADMET, in vitro and in vivo studies of mixed ligand metal complexes from a curcumin Schiff base and lawsone.	Nucleosides, Nucleotides & Nucleic Acids.	DOI: 10.1080/15257770.2020.1867865
9.	Phytochemical profile and bioactivity of <i>Bolbitisappendiculata</i> (Willd.) k. Iwats extracts.	South African Journal of Botany	2021; 137: 236-241. https://doi.org/10.1016/j.sajb.2020.10.013
10.	Total phenolic, tannin, triterpenoid, flavonoid and sterol contents, anti-	Toxicology Reports	2020; 7: 1465-1468. https://doi.org/10.1016/j.toxrep.202

	diabetic, anti-inflammatory and cytotoxic activities of <i>Tectariaparadoxa</i> (Fee.) Sledge.		0.10.013
11.	Evaluation of cytotoxic effect of Silver nanoparticles (AgNPs) synthesized from <i>Phlepodiumaureum</i> (L.) J. Smith extracts.	Anticancer Agents Med. Chem.	2020; doi:10.2174/1871520621999201230233408
12.	<i>In vitro</i> toxicity, antioxidant, anti-inflammatory and antidiabetic potential of <i>Sphaerostephanosunitus</i> (L.) Holtum.	Antibiotics	2020; 9: 333; doi:10.3390/antibiotics9060333
13.	Synthesis of Silver Nanoparticles Using <i>Odontosoriachinensis</i> (L.) J. Sm. and Evaluation of their Biological Potentials	Pharmaceuticals	Pharmaceuticals 2020, 13, 66; doi:10.3390/ph13040066
14.	Phytochemical Profile of <i>Aspleniumaethiopicum</i> (Burm. f.) Becherer Using HPTLC.	Separations	2020, 7(1), 8; https://doi.org/10.3390/separations7010008
15.	Utilization of SDS-PAGE and histochemistry for pharmacognostical studies on selected mangroves and halophytes from the Pichavaram, South India.	Environment, Development and Sustainability	(2019). https://doi.org/10.1007/s10668-019-00538-7
16.	The antioxidative effects of bioactive products from <i>Sargassumpolycystum</i> C. Agardh and <i>Sargassum duplicatum</i> J. Agardh against inflammation and other pathological issues	Complementary Therapies in Medicine	2019; 46: 19-23
17.	<i>In vitro</i> spore culture and ontogeny of <i>Elaphoglossumstigmatolepis</i> (Fee.) Moore	Phytomorphology	2018; 68(1&2): 35-38
18.	<i>Pancratiumtriflorum</i> Roxb. (Amaryllidaceae) and	Food and Chemical	2018; 119: 290–295

	<i>Molineriatrichocarpa</i> (Wight) N.P. Balakr (Hypoxidaceae): Cytotoxic and antioxidant activities.	Toxicology	
19.	Larvicidal activity of some medicinal plant extracts against filariasis fever mosquito, <i>Culexquinquefasciatus</i> (Say.) (Diptera: Culicidae).	Comparative Immunology, Microbiology and Infectious Diseases	2018; 61: 1–4.
20.	Anti-inflammatory activity of aqueous extracts of <i>Gracilaria</i>	International Journal of Current Pharmaceutical Research	9(5), 17-19, 2017
21.	Biological disintegration of microalgae for bio methane recovery - prediction of biodegradability and computation of energy balance.	Bioresource Technology	244 (Part 2), 1367-1375, 2017
22.	Synergetic effect of combined pretreatment for energy efficient biogas generation	Bioresource Technology	232 , 235–246, 2017
23.	Green synthesis of silver nanoparticles using <i>Cyatheanilgirensis</i> Holttum and their cytotoxic and phytotoxic potentials	Particulate Science and Technology.	DOI: 10.1080/02726351.2016.1278292, , 2017
24.	Anti-inflammatory activity of selected pteridophytes from Western Ghats.	International Journal of Complementary Alternative Medicine	2017; 9(4): 00307.
25.	Cytotoxic effect of fucoxanthin isolated from selected <i>Sargassum</i> species of South East Coast, India.	International Journal of Complementary Alternative Medicine	2017; 10(1): 00322.
26.	GC–MS analysis of ethanolic extracts of <i>Cyatheanilgirensis</i> , <i>C. gigantea</i> , and <i>C. crinita</i>	Egyptian Pharmaceutical Journal	15, 43–47, 2016,

27.	Janakiraman N and Johnson M, Ethanol Extracts of Selected <i>Cyathea</i> Species Decreased Cell Viability and Inhibited Growth in MCF 7 Cell Line Cultures	Journal of Acupuncture and Meridian Studies,	9(3): , 151-155, 2016;
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35.	Flavonoid Profile of <i>Clitoriaternatea</i> Linn	Trad. Med. J.	2014; 19(1), 1-5.
36.	Phytochemical Studies on <i>Ulvalactuca</i> Linn.,	Journal Of Harmonized Research in Pharmacy,	2013; 2(1): 34-44
37.	Synthesis characterization and biological activities of Schiff bases of Isatin.	Biomed Rx	2013; 1(2): 217-222
38.	Evaluation of Antioxidant Potential of Selected Seaweeds from South East Coast of India.	Inventi Rapid Ethnopharmacology	2013; 2(1):
39.	Terpenoids profile of <i>Clitoriaternatea</i> Linn	Journal Of Harmonized Research in Pharmacy,	2013; 2(2) 104-111
40.	Proteomic Analysis of	Journal Of	2013; 1(1): 20-24

	<i>Mukiamaderaspatana</i> (L.) M.Roem.	Harmonized Research in Applied Sciences,	
41.	Somoclonal variation studies on <i>Cassia occidentalis</i> Linn using SDS-PAGE.	Journal Of Harmonized Research in Applied Sciences	2013; 1(1): 37-41
42.	Inter specific protemic studies on selected <i>Selaginella</i> species using SDS-PAGE	Journal of Basis and Applied Biology	2013; 7(1): 317- 328
43.	In silico drug activities of some Isatin metal complexes.	International Journal of Chemistry and Pharmaceutical sciences	2013; 1(5):187- 192
44.	Phytochemical analysis on <i>Asystasiagangetica</i> (L.) T. Anderson.	Journal of Harmonized Research in Pharmacy	2012; 1(1): 19-32.
45.	Studies on developmental variation of isoperoxidase and protein profile of <i>Zea mays</i> L.	Journal of Stress Physiology & Biochemistry	(ISSN: 1997-0838), 2012, 8(1): 16-23
46.	GC-MS studies on <i>Andrographispaniculata</i> (Burm.f.) Wall. exNees – A medicinally important plant.	Int. J. Med. Arom. Plants	(ISSN: 2249 – 4340), 2012, 2(1): 69-74.
47.	Chromatographic Studies on the Tannins of <i>Aervalanata</i> (L.) Juss. Ex Schultes.	IOSR Journal of Pharmacy	(ISSN: 2250-3013)., 2012, 2(1): 041-050.
48.	HPTLC Studies on the Phenyl Propanoids of <i>Albizialebeck</i> Benth.	IOSR Journal of Pharmacy	(ISSN: 2250-3013)., 2012, 2(1): 030- 040.
49.	Anti-bacterial and antifungal activity of <i>Aloe vera</i> gel extract.	International Journal of Biomedical and Advance Research	(ISSN: 2229-3809) , 2012, 03(03): 184-187.
50.	Isozyme Analysis on Different Varieties of Sugarcane.	Journal of Stress Physiology & Biochemistry	(ISSN: 1997-0838), 2012, 8 (2): 22-31.
51.	Differential expression of Isoesterases in leaves and roots of <i>Vignaunguiculata</i> L. in response to saline stress.,	Journal of Stress Physiology & Biochemistry	(ISSN: 1997-0838), 2012, 8(2): 59-68.
52.	Phytochemical studies on <i>Laurenciaobtusa</i> (Hudson) Lamourux	International Journal of Biomedical and Advance Research	(ISSN: 2229-3809) , 2012, 3(4):225-232.
53.	Phytochemical analysis and antibacterial efficacy of <i>Ricinuscommunis</i> L. against	FS FonScientia Journal of Pharmacy Research	2012, 1(3): 31-33.

	selected pathogens.		
54.	Influence of Salinity Stress on proteomic profiles of <i>Cicerarietinum</i> L	Journal of Stress Physiology & Biochemistry	2012, 8(3): 5-12.
55.	Phytochemical Analysis of <i>Vitexaltissima</i> L. using UV-VIS, FTIR and GC-MS	International Journal of Pharmaceutical Sciences and Drug Research	2012; 4(1), 56-62.
56.	Diversity and distribution of seaweeds in the Manapad Regions, Southern coast of Tamilnadu, India.	Journal of Basic and Applied Biology	2012 6(2), 75-78.
57.	Effect of <i>Ulvafasciata</i> Seaweed Liquid Fertilizer on Growth and Protein profile of <i>Vignaradiata</i> (L.) Wilczek. Var. K851.	Journal of Basic and Applied Biology	2012; 6(2),1-5
58.	Influence of media, sucrose and plant growth regulators on <i>in vitro</i> apospory induction and developmental changes in <i>Speharostephanosunitus</i>	Journal of Basic and Applied Biology	5(1&2), 2011, 344-351
59.	Phytochemical studies on selected species of <i>Diplazium</i> from Tirunelveli hills, Western Ghats, South India.	Journal of Basics and Applied Biology	2011; 5(3&4); 241-247
60.	Morphogenetic development and protein expression studies on selected ferns from Western Ghats, South India	Journal of Basic and Applied Biology	2011; 5(3&4): 206-219
61.	<i>In vivo</i> developmental ontogeny and protein expression studies on the selected ferns from the Western Ghats, South India	Journal of Basic and Applied Biology	2011; 5(3 &4): 194-205.
62.	Pharmacognostical Studies on Anti-Cancer Spike Moss <i>Selaginellainvolvans</i> (Sw.) Spring.	IJDFR	2011; 2 6: 195 – 211.
63.	<i>In vitro</i> proliferation of secondary and tertiary gametophytes from the spore derived gametophytes of the fern <i>Phlebodium aureum</i> L.	Journal of Basic and Applied Biology	5(1&2), 2011, pp. 352-356

64.	Chemo-protective effect of aqueous extract of the resurrection plant <i>Selaginellainvolvens</i> (Sw.) Spring on UV-tolerance during spore germination of <i>Pterisargyraea</i> T. Moore	Journal of Stress Physiology & Biochemistry	2011; 7 (4): 415- 423. 0.5
65.	Effect of Crude Brassinosteroid Extract on Growth and Biochemical Changes of <i>Gossypiumhirsutum</i> L. and <i>Vignamungo</i> L.	Journal of Stress Physiology & Biochemistry	2011; 7 (4): 324-334. 0.5
66.	Salt Stress responses on Protein Profile in <i>Vignaunguiculata</i> L.	Journal of Stress Physiology & Biochemistry	2011; 7 (4): 241-249. 1.0
67.	Effect of Heavy metal stress on spore germination of <i>Pterisconfusa</i> T. G. Walker and <i>Pterisargyraea</i> T. Moore	Journal of Stress Physiology & Biochemistry	2011; 7 (4): 207-216. 0.5
68.	Preliminary Phytochemical and Anti-bacterial studies on flowers of selected medicinal plants	Int J Med Arom Plants	2011; 1(2): 107-114. 0.5
69.	Pharmacognostic and Phytochemical studies on some selected ethnomedicinal plants of Tamil Nadu, South India.	Int J Med Arom Plants	1(2): 89-94. 0.5
70.	Preliminary Phytochemical Analysis of Some Selected Medicinal Plants of South India	Journal of NaturaConscientia	2011, 2(5), 478-481. 0.5
71.	Chemical Profile Studies on the Alkaloids of medicinally important plant <i>Aervalanata</i> L. using HPTLC	Journal of NaturaConscientia	2011, 2(2): 341-349. 0.5
72.	In Vivo and In Vitro Anti-Bacterial Efficacy of <i>AlternantheraSessilis</i> (Linn.)	IJPRD	2010;
73.	Preliminary survey on herbivory in south Indian ferns.	J. Basic & Applied Biol.	2010; 4(1&2): 137-143.

74.	Preliminary Phytochemical and Antibacterial Studies on <i>Passiflora edulis</i> .	Ethnobotanical Leaflets	12, 425-432.
75.	Variability Studies of Selected Taxa of <i>Amaranthus</i> .	Journal of Basic and Applied Biology	2010; 4 (1&2): 125-134.
76.	Rapid Multiplication of <i>Plumbago auriculata</i> L. A Medicinally Important Plant.	Journal of Basic and Applied Biology	2010; 4 (1&2): 135-41.
77.	UV-B Response of <i>Oryza sativa</i> var. ADT (R) - 451 Seedlings.	International Journal of Biotechnology and Biochemistry	2010; 6(3): 411-418.
78.	Isozymic Studies on Selected Species of <i>Pteris</i> From India.	Biochemistry: An Indian Journal	2010; (4)(1): www.tsijournals.org
79.	Isozyme Variation and Genetic Relationships among Three <i>Plumbago</i> Species.	E- Journal of Ecobiotech	2010; 2(10):
80.	Is Intra Specific Classification in Ferns based on Size Valid? Results from Isozymic Analysis.	J. Basic & Applied Biol.	2010; 4(1&2): 157-161
81.	Studies on Tissue Specific Variation and Developmental Variation in the Isoperoxidase Pattern of the Selected Endemic Tree Species of Western Ghats.	E- Journal of Ecobiotech	2010; 2(10):
82.	Studies on Somoclonal Variation in <i>Jasminum</i> . J.	Basic & Applied Biol.	2010; 4(4): 29-36
83.	Pharmacognosy of A Medicinal Plant <i>Desmodium gangeticum</i> (L.) Dc (Fabaceae).	J. Basic & Applied Biol.	2010; 4(4): 41-44.
84.	Influence of Age, Season and pH on Developmental Stages of Four Rare and Endangered Ferns of The Western Ghats, South India.	J. Basic & Applied Biol.	2010; 4(4): 66 – 77.
85.	Effect of Sulphuric Acid, Temperature, GA and Mechanical Scarification on Seeds of <i>Pongamia</i>	J. Basic & Applied Biol.	2010; 4(4): 53 -59

	<i>pinnata</i> (L.) Pierre.		
86.	Influence of Plant Growth Regulators on <i>in vitro</i> raised gametophytes of <i>Cheilanthes viridis</i> (Forssk.) Swartz.	J. Basic & Applied Biol.	2010; 4(4): 18-23.
87.	Isozymic evidence for the common origin of <i>Diplazium</i> species confined to South India and Sri Lanka.	Research and Reviews in Biosciences	3(4). www.tsijournal.org.
88.	Effect of Sulphuric Acid, Temperature, GA and Mechanical Scarification on In vitro culture of Seed and Embryo of <i>Albizia lebbek</i> (L.) Benth.	Journal of Basic and Applied Biology	2009; 3(3&4): 146- 151.
89.	Role of Isozymes in Systematic Study of <i>Tephrosia purpurea</i> , <i>Tephrosia villosa</i> and <i>Tephrosia spinosa</i> .	Biochemistry: An Indian Journal	2007; 1(4): www.tsijournals.org.
90.	Influence of Sucrose on Morphogenetic Changes of Four Rare And Endangered Ferns of Western Ghats, South India.	Biochemistry: An Indian Journal	2007; 1(4): www.tsijournals.org.
91.	The role of cytokinin and auxin in organogenesis of <i>Passiflora mollissima</i> and Evaluation of Biochemical changes using isozyme and protein profiles.	Ethiopian Journal of Science and Technology	2007; 4 (2) 27 – 36.
92.	Studies on varietals difference, Tissue specificity and developmental variation of esterase and peroxidase isozyme in Pearl Millet.	Indian Journal of Bio-Technology	2007; 6(1) 91 – 99
93.	In vitro multiplication of <i>Solanum anguivi</i> Lam, <i>Phyllanthus amarus</i> Schum and Thonn, <i>Jasminum calophyllum</i> Wall – Ethano medicinal Plants.	Ethiopian Journal of Science and Technology	2006; 3 (2) 78 - 84
94.	<i>In vitro</i> Studies on normal and abnormal life cycle of	Ethiopian Journal of Science and	2006; 4 (1) 37 – 44.

	<i>Metathelypteris flaccida</i> (Bl.) Ching.	Technology	
95.	Adventitious Proliferation of Secondary and Tertiary Prothalli from the primary prothalli of <i>Pronephrium articulatum</i> (Houlst. & Moore) Holtt.	Ethiopian Journal of Science and Technology	2006; 3 (2) 93 – 96.
96.	Regeneration from callus cultures of <i>Rhinacanthus nasutus</i> L. Kurtz.	Ethiopian Journal of Science and Technology	2005; 3 17 – 24
97.	In vitro studies on agamospours fern <i>Pteris gongalensis</i> T.G. Walker.	Ethiopian Journal of Science and Technology	2005; 3 1 – 6
98.	In vitro multiplication of Endangered and economically important two medicinal plants; <i>Adenia hondala</i> and <i>Justicia jendurassa</i> .	Malaysian Journal of Sciences	2004; 23 (2) 49 – 53.

PUBLICATIONS: OTHER INDEXED JOURNALS ()			
S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor &Pg.No

Papers Published in Proceedings

1. Johnson, M and Manickam, V S, In Vitro Organogenesis Studies of *Cheilanthes viridis* – An Endangered Fern., International Journal of Biological Technology (ISSN: 0976-4313), 2012, Special Issue: 76 – 88.
2. Johnson M, Irudayaraj V, Rajkumar, S. D. & Janakiraman N., Isozymic Variation Studies on the Selected Species of *Cyathea.*, International Journal of Biological Technology (ISSN: 0976-4313), 2012, Special Issue: 355 – 361
3. Babu A, Johnson M and Patric Raja D, Chemical Profile Of Selected Green Seaweeds Of Southern Coast Of Tamil Nadu, India, International Journal of Research in Engineering and Bioscience (ISSN: 2321-743x), 2014; 2(6): 103- 113

4. Babu A, Johnson M and Patric Raja D, Identification of Green Seaweeds from Southern Coast of Tamil Nadu using Spectrophotometric Studies, International Journal of Research in Engineering and Bioscience (ISSN: 2321-743x), 2014; 2(6): 90- 102.
5. Johnson M, Murugesan S and Janakiraman N, Floristic Diversity Of Mukkudal Region, Tirunelveli District, Tamil Nadu, South India and Their Medicinal Importance, International Journal of Research in Engineering and Bioscience, (ISSN: 2321-743x), 2014; 2(6): 114- 127.
6. Janakiraman N and Johnson M, UV-Vis Spectroscopic Profile as Taxonomic Criteria to Distinguish the Tree Ferns (*Cyathea*), International Journal of Research in Engineering and Bioscience (ISSN: 2321-743x), 2014; 2(6): 203- 212.
7. Johnson. M, Esakkiammal @ Devi. S, Janakiraman. N, Shibila. T, Revathi. I. Phytochemical Studies on *Stoechospermum marginatum* (Ag.) Kuetz Using Uv-Vis and HPLC Profile. International Journal of Research in Engineering and Bioscience (ISSN: 2321-743x), 2014; 2(6): 189- 202
8. Johnson M, Babu A and Patric Raja D, Effect of *Caulerpa corynephora* Montagne Seaweed Liquid Fertilizer on Growth and Protein Profile of *Vigna radiata* (L.) Wilczek. Var. K851, International Journal of Research in Engineering and Bioscience, 2014; 2(6): 178- 188
9. Johnson M, Dominic Rajkumar S, Shibila T, Shashank Kumar S, Shobhit Kumar S and Ravi Pratap G. Proteomic Expression Studies on Gametophytes With Juvenile Sporophytes and Matured Sporophytes of Selected Pteridophytes From Gorakhpur. International Journal of Research in Engineering and Bioscience (ISSN: 2321-743x), 2015; 3(4): 36- 41
10. Chandra Kala P, Johnson M and Shibila T. Green Synthesis of Silver Nanoparticles Using Marine Brown Algae *Sargassum swartzii* (Turner) C.Agardh and its Cytotoxic Activity. International Journal of Research in Engineering and Bioscience (ISSN: 2321-743x), 2015; 3(4): 75- 85
11. Johnson M, Dominic Rajkumar S, Shibila T, Shobhit Kumar S, Ravi Pratap G and Shashank Kumar S. Protein Expression Studies on Medicinally Important Three Species of *Nephrolepis* from Gorakhpur, Uttar Pradesh. International Journal Of Research In Engineering And Bioscience (ISSN: 2321-743x), 2015; 3(4): 55-59
12. Johnson, M. Green synthesis of Silver nanoparticles and evaluate the cytotoxic potentials of *Laurencia pedicularioides* Borgesen. In: Proc. National Seminar on Conservation and Sustainable Utilization of Marine Resources 2015; P. No. 74 - 77 (ISBN - 978819273307-4)
13. Johnson, M. Green synthesis of silver nanoparticle and its characterization in *Lobophora variegata* J. V. Lamouroux. In: Proc. National Seminar on Conservation and Sustainable Utilization of Marine Resources 2015; P. No. 90 - 93 (ISBN - 978819273307-4)
14. Johnson, M. Green Synthesis and Cytotoxic potentials of Silver Nanoparticles Using *Sargassum duplicatum* C.Ag. Molecules" In: Proc. National Seminar on Conservation and Sustainable Utilization of Marine Resources 2015; P. No.100 - 103 (ISBN - 978819273307-4)
15. Johnson M. Silver nanoparticles synthesis of *Laurencia papillosa* (C. Agardh) Greville and its Cytotoxic potentials In: Proc. National Seminar on Conservation and Sustainable Utilization of Marine Resources 2015; P. No.70-73 (ISBN - 978819273307-4)
16. Johnson M. Synthesis of Bio nanoparticles using aqueousextracts of *Spatoglossum asperum* J. Agardh In: Proc. National Seminar on Conservation and Sustainable Utilization of Marine Resources 2015; P. No.104- 107 (ISBN - 978819273307-4)
17. Johnson M and Patric Raja D. Influence of *Ulva lactuca* Linn Seaweed Liquid Fertilizer on Growth and Protein profile of *Vigna radiata* (L.) Wilczek. var. K851 In: Proc. National Seminar on Conservation and Sustainable Utilization of Marine Resources 2015; P. No.65 - 69 (ISBN - 978819273307-4)

18. Johnson M. Green synthesis of silver nanoparticle and its characterization in *Stoechospermum marginatum* (C. Agardh) Kutzing In: Proc. National Seminar on Conservation and Sustainable Utilization of Marine Resources 2015; P. No.108 - 110 (ISBN - 978819273307-4)
19. Johnson M. Histochemical Studies on *Asplenium* Species from Wayanad, Western Ghats, India In: Proc of National Seminar on "Plant Genetic Resources: Utilization and Conservation" (2015) Outreach, (ISSN: 0975-1246) VII, 218-222
20. Johnson M. Leaf and Root extract mediated green synthesis of silver nanoparticles from *Polygonum glabrum* Willd: synthesis , characterization and toxicity analysis In: Proc of National Seminar on "Plant Genetic Resources:Utilization and Conservation" (2015) Outreach, (ISSN: 0975-1246) VII, 223-231
21. Johnson M. Histochemical Studies on *Laurencia pedicularioides* Borgesen and *Stoechospermum marginatum* C. Agar. In: Proc of National Seminar on "Plant Genetic Resources: Utilization and Conservation" (2015) Outreach, (ISSN: 0975-1246), VII, 232--235
22. Johnson M. Histochemistry Studies on Maiden Ferns of Wayanad, Western Ghats of India In: Proc of National Seminar on "Plant Genetic Resources: Utilization and Conservation" (2015), Outreach (ISSN: 0975-1246) VII, 249-252
23. Johnson M. A Biochemical approach for the identification of selected *Diplazium* species using protein profiles. In: Proceeding of the National Conference on Changing Environment, Plants, Diseases and Humal helath- Vulnerability and Impact Assessments for Adapataion to Climatic Change: The Road to Future, 2016, International Journal of Research in Engineering and Bioscience (ISSN: 2321-743x), P. No. 21-26
24. Johnson M. Inter-Specific variation studies on *Microlepidia* using Protein profile In: Proceeding of the National Conference on Changing Environment, Plants, Diseases and Humal helath- Vulnerability and Impact Assessments for Adapataion to Climatic Change: The Road to Future, 2016, International Journal of Research in Engineering and Bioscience (ISSN: 2321-743x), P. No. 39-46
25. Johnson M. Preliminary phytochemical analysis of *Croton caudatus* var. *caudatus* Geisler and *Pouzolzia wightii* Benn. From Papanasam, Tamil Nadu, South India. In: Proceeding of the National Conference on Changing Environment, Plants, Diseases and Humal helath- Vulnerability and Impact Assessments for Adapataion to Climatic Change: The Road to Future, 2016, International Journal of Research in Engineering and Bioscience (ISSN: 2321-743x), P. No. 21-26
26. Syed Ali Fathima M. and M. Johnson. Evaluation of Antibacterial Activity of Medicinal Plant *Pouzolzia wightii* Benn. In: Proceeding of the National Seminar on Biopolymers, 2018 (ISBN 978-81-938054-2-8), Sadakathullah Appa Educational Society, P. No. 105-109
27. Johnson M., M. Syed Ali Fathima and A. Mohamed Ansar. Anticancer activity of *Pouzolzia wightii* Benn. Stem ethanolic extracts against HELA Cell Line, In: Proceeding of the International Conference on Bio-Commerce 2019, (ISBN 9-789353-547301) P. No. 43-48

AS A RESOURCE PERSON (63)

S. No	Name of the Event - Title of Lecture/ Academic Session	Title of Conference/Seminar, etc.	Organized By
1	Plenary Lecture on Micropropagation of Plants	7 th National level Biological congress on Biotechnology: Evolution and Revolution on 4 th and 5 th January, 2008	Muthyammal College of Arts and Science, Rasipuram
2	Plant Tissue Culture	Association Meeting 03.10.2009	Muthyammal College of Arts and

			Science, Rasipuram
3	Plant Tissue Culture	Hands on Training on Plant Tissue Culture on 1 st and 2 nd February, 2010	Nesamony Memorial Christian College, Marthandam
4	Plant Protein isolation and Separation using SDS PAGE	Workshop on Molecular Biology and Bioinformatics 04 th -06 th February, 2010	St. Xavier's College, Palayamkottai
5	Plant Tissue Culture	Association Meeting 11.10.2010	Sadakathullah Appa College, Tirunelveli
6	Micropropagation of Plants	Association Meeting 09.09.2011	Sadakathullah Appa College, Tirunelveli
7	Ex Situ Conservation of Medicinally important Plants	8 th National level Biological congress on Biotechnology: Glimpses of Future prospects	Muthyammal College of Arts and Science, Rasipuram
8	Role of organogenesis and somatic embryogenesis on conservation of economically and medicinally important plants/ Pleanary	9 th National level Biological congress on Biotechnology: Great Expectations and Achievements	Muthyammal College of Arts and Science, Rasipuram
9	Ex Situ and In situ Conservation of Plants	Nature and Biodiversity Conservation /National	Sadakathullah Appa College, Tirunelveli
10	Plant Tissue Culture / Guest Lecture	Department Associations / National	Muthyammal College of Arts and Science, Rasipuram
11	Hands on Training Program in Tissue Culture / Two Days	Department Associations / National	N. M. C. College, Marthandam
12	Plant Tissue Culture / Guest Lecture	Department Associations / National	Sadakathullah Appa College, Tirunelveli
13	Synthetic Seed Preparations and Applications	Department Associations 18 th January 2012	St. Mary's College, Thoothukudi
14	Isolation of protoplast by enzymatic method	DBT – STTP ON Hands on Training in Plant Biotechnology 19 th August, 2013 - 6 th September, 2013	St. Xavier's College, Palayamkottai
15	Isolation of BGA		
16	Callus Sub-culture & Hardening		
17	<i>In vitro</i> Propagation of Pteridophytes		
18	Isoperoxidase Analysis		
19	RFLP		
20	Sterilization Techniques		
21	Seed and Embryo Culture		
22	Classification of Plants	TNSCST Sponsored YSSP 25.05.2013	St. Xavier's College, Palayamkottai

23	Plant Tissue Culture and Crop Management	TNSCST Sponsored YSSP	St. Xavier's College, Palayamkottai		
24	Determination of Diffusion Pressure Deficit by Gravimetric method				
25	Determination of Osmotic Pressure by Plasmolytic method				
26	Test for detection of inorganic elements in plant ash				
27	Transpiration index - cobalt chloride method				
28	Effect of light on Photosynthesis				
29	Effect of CO ₂ on Photosynthesis				
30	Effect of detergent on membrane permeability				
31	Effect of temperature on membrane permeability				
32	Monocot Stem Anatomy				
33	Dicot Stem Anatomy				
34	Sotmata Structure				
35	Protein isolation and separation using SDS-PAGE			National / DBT sponsored 21 day Short Term Training Programme on "Plant Molecular Cytogenetics" 3rd – 8th November, 2014	Department of Botany, St. Andrew's College, Gorakhpur
36	Electrophoresis in Plant Biology				
37	Isoenzyme analysis in plants and Isozyme isolation and separation using PAGE				
38	DNA isolation and separation using AGE and polymerase chain reaction				
39	Agrobacterium mediated gene transformation	Short term training course on "Molecular Techniques in Plant Sciences", 6th February, 2018			
40	Plant metabolites extraction separation and characterization				
41	Somoclonal variations of Plants Synthetic Seed Preparations and its applications	Department Associations 18th January, 2012	St. Mary's College, Thoothukudi		
42	Electrophoresis in Plant Biology	Department Associations 9th September, 2014	St. Mary's College, Thoothukudi		
43	Workshop on Techniques in Plant Biology	Department of Botany 9th September, 2014	St. Mary's College, Thoothukudi		
44	<i>Ex situ</i> conservation of Plants	Department Associations	St. Xavier's College of Education		

45	Bioinformatics Tools	DBT – STAR COLLEGE 7 th January, 2015	St. Xavier's College, Palayamkottai
46	Molecular Techniques	DBT – STAR COLLEGE	St. Xavier's College, Palayamkottai
47	Agrobacterium Mediated Gene Transformation	DBT – STAR COLLEGE	St. Xavier's College, Palayamkottai
48	Training in Advanced Molecular Biology Techniques	DBT – STAR COLLEGE 8 th and 10 th September, 2015	St. Xavier's College, Palayamkottai
49	Molecular Biology Techniques	DBT – STAR COLLEGE	St. Xavier's College, Palayamkottai
50	Spectroscopic and FTIR Studies	DBT- Short Term Training Course, Analytical Techniques in Bioprospecting of Medicinal Plants on 23 rd and 24 th October, 2017.	Department of Botany Bharathiar University, Coimbatore.
51	Cytotoxicity of Plants		
52	Glimpses of Pteridophytes of Western Ghats.	State level Seminar on “Biology of Untrapped Floristic Forms” on 5 th January 2018.	Sri Parasakthi College for Women, Courtallam.
53	Role of Conservation on Environmental Sustainability	National Seminar on “Environmental Sustainability- The Present Scenario” on 30 th January, 2018	Holy Cross College, Nagarcoil.
54	Gene transfer Method	DBT short term training course on “Molecular Techiques in Plant Sciences” on 3 rd to 9 th February, 2018.	St. Andrew's College, Gorakhpur.
55	Extraction and Isolation of metabolites from Plant.		
56	Plant Molecular Biological techniques.		
57	DNA Barcoding studies on Plants and SDS PAGE.		
58	Confront and Perspective of Nano Research in Health Care	Central Reseach Laboratory, on 5 th January, 2019.	Rajas Medical Institutions, kavalkinaru.
59	Ecosystem Restoration	Association Meeting	Nesamony Memorial Christian College, Marthandam
60	Bioprospecting of Medicinal Plants	Faculty Development Programme	Holy Cross College, Trichy
61	Research Methodology	STAR College Programme	St. Mary's College, Thoothukudi

62	Diversity of Indian Pteridophytes and Conservation	Association Meeting	Womens Christian College, Chennai
63	Diversity of Indian Pteridophytes and Conservation	National Conference	Scott Christian College, Nagercoil

WEBINARS/SEMINARS/ CONFERENCES / SYMPOSIA / WORKSHOP			
PAPER PRESENTED: National () International ()			
S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date

1. **New Millennium Seminar On Medicinal Plants – organised by CENTRE FOR BIODIVERSITY AND BIOTECHNOLOGY (CBB) on 3rd to 5th Feb, 2000 (participated and Organizing Committee Member)**
 2. **National Level Biological Congress on BIOME AND BIOSCIENCES, organized by Muthyammal College of Arts and Science, Rasipuram, on January 09th and 10th, 2004. (participated and Organizing Committee Member)**
1. Manickam V S, Raja Sekara Pandian, Sonali Das, Nikhat Yasmin, Vanithapappa, Andal N and Johnson M 2004 *In vitro* Multiplication of Two Economically Important and Endangered Medicinal Plants- *Justicia jendarussa* Brum & *Adenia hondala* (Gaertn) De Wilde. BT – 30 PP: 19.
 2. Johnson M, Raja Sekara Pandian and Smila K H 2004 *In vitro* Multiplication of *Phyllanthus amarus*- A medicinal plant BT – 37 PP: 23
 3. Sonali Das, Raja Sekara Pandian, Johnson M and Usha A R N *In vitro* propagation studies on *Vitex negundo* Linn. - A medicinally important plant BT – 38 PP: 23
 4. Nikhat Yasmin, Raja Sekara Pandian, Johnson M and Smila K H Micropropagation Studies on *Passiflora mollissima* (H.B.K) Bailey BT – 39 PP : 24
 5. Johnson M, Raja Sekara Pandian, Vanithapappa, Manickam V S and Sabir Sabu 2004 *In vitro* Multiplication of medicinally and Endangered plant *Adenia hondala* (Gaertn) De Wilde. BT – 40 PP: 24

6. Johnson M, Raja Sekara Pandian M, Tripura S P M and Manickam V S Regeneration from callus cultures of *Rhinacanthus nasutus* L. Kurtz BT 41 PP : 25
 7. Johnson M, Manickam V S and Shravan Kumar G 2004 Induction of aposporus gametophytes from *Metathelypteris flaccida* (B.L) Ching Croziers cultured *in vitro* BT- 43PP: 26.
 8. Johnson M , Manickam V S and Shravan Kumar K 2004, Adventitious proliferation of secondary and tertiary prothalli from the primary prothalli of *Pronephrium articulatum* (Houlst and Moore) Holtt. BT – 44 PP: 26
 9. Vinod Kumar Edla , Raja Sekara Pandian M and Johnson M 2004 Micropropagation in India- A Review BT – 45 PP: 27.
 10. Johnson M, Dinu Narayan and Manickam V S 2004 In vitro multiplication of *Solanum anguivi* Lam- a rare ethanomedicinal plant. BT – 53 PP: 31.
 11. Johnson M, Raja Sekara Pandian, Vanithapappa, Manickam V S and Arun Prasath 2004 In vitro multiplication of medicinally important and endangered plant *Justicia gendarussa* Brum. BT – 54 PP : 32.
- 3. National Level Symposium on Recent Trends In Biosciences organized by Sri Paramakalyani College of Arts and Science, Azwarkurichi on February 27th and 28th , 2004.**
12. Smila K H, Thanga Velu A U, Johnson M and Raja Sekara Pndian M 2004 Studies on the Varietal difference, Tissue specificity and Develpmental variation of Esterase and Peroxidase Isozymes in Pearl Millet *Pennisetum glaucum* (L.) R.Br. PP: 82
 13. Smila K H, Sonali Das, Johnson M and Raja Sekara Pandian M. 2004 Electrophoretic studies on *Vitex negundo* L. PP : 47
 14. Usha R N A, Nikhat Yasmin Johnson M and Rja Sekara Pandian 2004 Intraspecific variation studies on *Passiflora mollissima* using isoenzyme analysis pp : 48.
 15. Tulasi Sunkara, Raja Sekara Pandian M, Johnson M, Selvan N and Usha R N A 2004 Biochemical and Molecular Markers – A Review PP : 83
 16. Chalini K, Vanitha Pappa P, Raja Sekara Pandian M, Johnson M, Sathya Kala N , Rupa Devi and Bridjet Jeyatha W 2004 Bacterial causes of goat mastitis in Rasipuram Taluk pp : 38.
 17. Shantha Kumar S, Raja Sekara Pandian M, Johnson M, Murugesan P and Suresh T 2004 Microbial investigation on dermatitis infected dog in Rasipuram. PP: 67

4. **National Conference on the Frontiers of Research and Development in Medicinal Plants organized by St. Xavier's College of Arts and Science, Palayamkottai on January 28th to 30th, 2004. (one paper presented)**
18. Irudayaraj V, Manickam V S, Johnson M and Raja D P 2004 Elucidation of Morphological, Biochemical and Molecular Identities in the variant of a fern *Christella parasitica* (L.) LEV. With Antimicrobial Activity PP : 22
5. **23rd Annual May Seminar on Education organized by Bahir Dar University, Bahir Dar, Ethiopia on May 29th, 2005. (one paper presented)**
19. Johnson M, Manickam V S and Irudayaraj V 2005 *In vitro* studies on agamospours fern *Pteris gongalensis* T.G. Walker pp: 13
6. **24th Annual May Seminar on Education organized by Bahir Dar University, Bahir Dar, Ethiopia on May 19th, 2006. (one paper presented)**
20. Electrophoretic Studies on the Pearl Millet *Pennisetum glaucum* using Isozymes
21. *In vitro* studies and abnormal life cycle of *Metathelypteris flaccida*
7. **25th Annual May Seminar on Education organized by Bahir Dar University, Bahir Dar, Ethiopia on May 25th, 2007. (one paper presented)**
22. *In vivo* and *In vitro* Phytochemical and anti-bacterial efficacy of *Passiflora mollissima*
8. **7th National Level Biological Congress on Biotechnology: Evolution and Revolutions, Organized by Muthayammal College of Arts and Sciences, Rasipuram Sponsored by TNSCST & NCSTS on 4th and 5th January, 2008**
23. Sagayaraj C, Santhana Mari, E, Jeno R, Pattudurai U and Johnson M Phytochemical and Pharmacognostic studies in *Dendrobium subramaniamii* (P. NO. 99)
24. Johnson M, Irudayaraj V, Dominic Rajkumar S, Patric Raja D, Manickam VS. Molecular Taxonomy on South Indian Ferns: Preliminary studies on isozyme variation (P. NO. 99)
9. **8th National Level Biological Congress on Biotechnology: Glimpses of Future Prospects, Organized by Muthayammal College of Arts and Sciences, Rasipuram Sponsored by CSIR, NABARD, TNSCST & NCSTS on 9th and 10th January, 2009.**
25. Johnson M, Irudayaraj V, Reehana Parveen, Revathy I, Meenakshi S. Taxometrics Studies on Pteridophytic Flora of Western Ghtas, India using Biogene and NTSys (P. No. 4)
10. **9th National Level Biological Congress on Biotechnology: Great Expectations & Achievements, Organized by Muthayammal College of Arts and Sciences, Rasipuram Sponsored by ICMR, CSIR, NABARD, & MCAS on 8th and 9th January, 2010.**
26. Johnson M. Role of organogenesis and Somatic Embryogenesis on conservation of economically and medicinally important plants (P. No. 27)

11. National Seminar on Nature and Biodiversity Conservation organized by Sadakathullah Appa College, Tirunelveli on 31st January, 2011.

27. Wesely EG, Johnson M, Regha P and Kavitha MS. *In vitro* propagation of *Boerhaavia diffusa* L. Through Direct and Indirect Organogenesis
28. Johnson M, Usha Raja Nanthini A and Renisha JJ T.. Isozyme variation and genetic relationships among three *Plumbago* Species.
29. Usha RNA, Johnson M, Franco MF, Renisheya Joy Jebamalar T. Assessing the genetic relationship between three selected species of *Rauvolfia* L. Using isoenzyme profiles and morphological characters.

12. National Seminar on Herbal Wealth: Traditions and New Approaches, Organized by N. M. C. College, Marthandam 27 & 28th January, 2012

30. Johnson M and Janakiraman N. Phytochemical and TLC studies in *Dendrobium panduratum* subsp. *villosum* Gopalan & A. N. Henry.
31. Johnson M, Janakiraman N, Sivaraman A, Babu A. In Vitro phytochemical and antibacterial Studies on *Rhinacanthus nasutus* (Linn) Kurtz – A medicinally important Plant
32. Johnson M, Babu A, Janakiraman N. Phytochemical Evaluation of Selected Seaweeds of Rhodophyceae and Pheoephyceae

13. National Conference on Phytomedicine, Organized by Department of Botany, Bharathiar University, Coimbatore – 641 046 on 4th & 5th October, 2012

33. Chalini K, Johnson M. Screening for anti-platelet potential of seaweeds. (NCPM/OP/047)
34. Renisheya Joy Jeba Malar T, Johnson M, Narayani M, Arul Starlin I. Antidiabetic activity of *Phyllanthus reticulatus* Poir. (NCPM/OP/076)
35. Janakiraman N, Johnson M. Pharmacognostic and phytochemical analysis of *Solanum anguivi* Lam. and *Solanum torvum* Sw. (NCPM/OP/087)
36. Babu A, Patric Raja D, Johnson M. Phytochemical and antibacterial studies on *Caulerpa scalpelliformis* (R.Br.) Weber-van Bosse. (NCPM/OP/168)
37. Renisheya Joy Jeba Malar T, Johnson M, Sivaraman A, Arul Starlin I. Evaluation of antibacterial potential of *Phyllanthus reticulatus* Poir. (NCPM/OP/202)
38. Renisheya Joy Jeba Malar T, Johnson M, Revathy I, Arul Starlin I. Antibacterial studies on *Phyllanthus emblica* L. (NCPM/OP/204)

39. Renisheya Joy Jeba Malar T, Kalaiarasi V, Johnson M. Evaluation of antidiabetic potential of *Phyllanthus emblica* L. (NCPM/OP/206)
40. Renisheya Joy Jeba Malar T, Johnson M. Phytochemical and bio-efficacy studies on *Plumbago rosea* L. (NCPM/OP/240)

14. International Conference on Sustainable Utilization, Management and conservation of Bioresources, Organized by Department of Botany, St. Joseph's College (Autonomous), Tiruchirappalli on 10th and 11th January 2013.

41. Janakiraman N, Gowtham J, Johnson M, Jeeva S, Sahaya Sathish S, Babu A. Phytochemical studies on *Asystasia gangetica* (L.) T. Anderson.
42. Babu A, Patric Raja D, Johnson M. Phytochemical investigation of *Caulerpa corynephora* Mon.

15. Ministry of Earth Sciences Sponsored National Seminar on Coastal and Marine Ecosystems - Challenges and Opportunities Organised by Department of Botany, Rani Anna College, Tirunelveli on 12th and 13th March, 2013

43. Kalaiarasi V, Johnson M and Narayani M. Interspecific variation of *Padina* using SDS-PAGE
44. Green synthesis and Cytotoxic potentials of Silver Nanoparticles using *Sargassum swartzii* C. Agardh

16. National Conference on Drug Discovery, Threatened Medicinal Plants, Strategies for sustainable use Organised by Department of Botany, St. Andrew's College (Gorakhpur) on 25th and 26th September, 2013

45. Narayani M, Kalaiarasi V, Janakiraman N, Sivaraman A, Johnson M. Phytochemical screening and Antibacterial activity of *Cheilospermum spectabile* Harvey. Ex. Brunow
46. Gowtham, J, Janakiraman N, Sivaraman A, Johnson M. Antioxidant, Larvicidal and Cytotoxic studies on *Asplenium aethiopicum*
47. Kalaiarasi V, Narayani M, Renisheya Joy Jeba Malar T, Johnson M. Green Synthesis of Silver nanoparticles using *Dictyota dichotoma*
48. Murugesan S, Janakiraman N, Johnson M. Phytochemical analysis of *Dicanthium foveletum* and *Leptophlo uniflora*
49. Ashakanimozhi, Renisheya Joy Jeba Malar T, Johnson M. Phenolic and Steroidal profile of Two *Sargassum* species
50. Maharajan P Janakiraman N, Sivaraman A, Johnson M. Phytochemical screening of *Mollinera prichocarpa*
51. Kalaiarasi V, Narayani M, Renisheya Joy Jeba Malar T, Johnson M Bioactivity studies on *Dictyota dichotoma*

52. Ashakanimozhi, Renisheya Joy Jeba Malar T, Johnson M. Preliminary phytochemical studies on selected *Sargassum* species
53. Mohammed Ifran Hussain, Renisheya Joy Jeba Malar T, Kalaiarasi V, Narayani M, Johnson M. Preliminary phytochemical screening on *Stoechospermum marginatum* (C. Agardh)
- 17. National Seminar on Conservation and Sustainable Utilization of Marine Resources (2015) Organized by Department of Zoology, TDMNS College, T. Kallikulam on 22nd and 23rd January, 2015**
54. Shibila, T. and Johnson, M. Green synthesis of Silver nanoparticles and evaluate the cytotoxic potentials of *Laurencia pedicularioides* Borgesen. 74 – 77, Proc.
55. Sai Lakshmi, G, Johnson, M., Revathy, I. and Shibila, T. Green synthesis of silver nanoparticle and its characterization in *Lobophora variegata* J. V. Lamouroux. 90 – 93, Proc. National Seminar on Conservation and Sustainable Utilization of Marine Resources: (2015).
56. Chandra Kala, M. and Johnson, M. Green Synthesis and Cytotoxic potentials of Silver Nanoparticles Using *Sargassum duplicatum* C.Ag. Molecules” 100 - 103, Proc. National Seminar on Conservation and Sustainable Utilization of Marine Resources (2015).
57. Revathy I, Vidyarani George, Johnson M, Shibila T. Silver nanoparticles synthesis of *Laurencia papillosa* (C. Agardh) Greville and its Cytotoxic potentials Proc. National Seminar on Conservation and Sustainable Utilization of Marine Resources (2015).
58. Ramya M, Johnson M, Shibila T. Synthesis of Bionanoparticles using aqueous extracts of *Spatoglossum asperum* J. Agardh, Proc. National Seminar on Conservation and Sustainable Utilization of Marine Resources (2015).
59. Babu A, Johnson M and Patric Raja D, Influence of *Ulva lactuca* Linn Seaweed Liquid Fertilizer on Growth and Protein profile of *Vigna radiata* (L.) Wilczek. var. K851, Proc. National Seminar on Conservation and Sustainable Utilization of Marine Resources (2015).
60. Utchimahali M, Johnson M*, Revathy I, Shibila T. Green synthesis of silver nanoparticle and its characterization in *Stoechospermum marginatum* (C. Agardh) Kutzing , Proc. National Seminar on Conservation and Sustainable Utilization of Marine Resources (2015).
- 18. UGC sponsored National Seminar on Plant Genetic Resources Utilization and Conservation Organized by Department of Botany, VOC College, Thoothukudi on 12th and 13th February, 2015**
61. Revathy I, Johnson M, Laly Joseph. Interspecific variation studies on selected *Adiantum* species from Wayanad, Western Ghats of India using Protein profiles
62. Shibila T and Johnson M. Biochemical Expression studies on Different Developmental stages of *Pteris multiaurita* J. Agardh.

63. Sai Lakshmi, G., Johnson, M., Laly Joseph., Revathy, I. and Shibila. T, Histochemical studies on *Asplenium* species from Wayanad, Western Ghats, India.
64. Utchimahali, M., Albert, M., Johnson, M., Revathy, I. and Shibila. T, Leaf and root extract mediated green synthesis of silver nanoparticles from *Polygonum glabrum* Willd: synthesis, characterization and toxicity analysis.
65. Ramya, M., Johnson, M., Shibila, T., Revathy, I. and Utchimahali, M., Histochemical studies on *Laurencia pedicularioides* Borgesen and *Stoechospermum marginatum* C. Agar.
66. Vidyarani George, M., Johnson, M., Laly Joseph., Shibila, T. and Revathy, I., Histochemical studies on Maiden Hair Ferns of Wayanad, Western Ghats, India.
67. Chandrakala P, Johnson M. Green synthesis of Silver nanoparticles by *Sargassum johnstonii* Setchell & N.L. Gardner and their Biopotency
- 19. National Symposium on Pteridophytes organised by BSI & IFJ during 3-4th March 2017**
68. Johnson M, Vidyarani George, Shibila T and Adaikalaraj G. Biochemical variation studies on the silver and golden ferns.
69. Johnson M and Shibila T Histochemical studies on *Pteris biaurita* L., *Pteris multiaurita* Ag. and *Pteris vittata*
70. Anees A, Shibila T, Vidyarani George, Adaikalaraj G and Johnson M. Histochemical studies on selected *Microlepia* species
71. Vidyarani George, Shibila T, Anees A, Adaikalaraj G and Johnson M. Histochemical studies on selected *Bolbitis* species
72. Shibila T, Johnson M, Adaikalaraj G, Anees A and Vidyarani George. Effect of plant growth regulators on vegetative propagation of *Pteris otaria* Beddome
- 20. One day National Seminar on “Pain Management through Ayurveda” Sri Parasakthi College for Women (Autonomous), Courtallum on 09.10.2017**
73. Manivannan V and Johnson M. Anti inflammatory activity of *Bolbitis appendiculata* (Willd) and *Tectaria paradoxa* (Fee) Sledge
74. M. Syed Ali Fathima and M. Johnson. Studies on Anti inflammatory activity of *Pouzolzia wightii* Benn
75. Sujata M, Vanila D and Johnson M. Anti inflammatory activity of *Eragrostis tenella* and *Eragrostis pilosa*
- 21. Zoology Congress-2018 (ZOOCONG-18) Organized by Department of Zoology, St. Xavier’s College (Autonomous), Palayamkottai on 10-13th January 2018**

76. M. Syed Ali Fathima and M Johnson. Cytotoxic studies on *Pouzolzia wightii* Benn using *Artemia salina*
77. Chandra Saleride, K Paul Raj and M Johnson. Cytotoxic studies on *Adiantum latifolium* Lam., *Angiopteris evecta* (Forst.) Hoff. and *Marattia fraxinea* Sm.
78. M. Johnson and T. Shibila. Green synthesis, cytotoxicity and phytotoxicity on selected plants of *Euphorbiaceae*
79. V. Manivannan and M. Johnson. Cytotoxic studies on *Bolbitis appendiculata* (Willd.) K. Iwatz and *Tectaria paradoxa* (Fee) Sledge
80. M. Sujatha, D. Vanila and M. Johnson. Cytotoxic activity of *Eragrostis tenella* and *Eragrostis pilosa*
- 22. International Conference on Phytomedicine Organized By Department of Botany Bharathiar University, Coimbatore, Tamil Nadu, India on 29-31st August 2018**
81. Johnson M, Vidyarani George, Silvia Juliet I. Morphological studies on Pteridophytes using Foldscope
82. Johnson M, Vidyarani George, Silvia Juliet I. Histochemical studies on Pteridophytes using Foldscope
83. Johnson M, Vidyarani George, Silvia Juliet I. Anatomical studies on Pteridophytes using Foldscope
84. Johnson M and T. Amutha Priya. Effect of plant growth regulators on vegetative propagation of *Elaphoglossum beddomei* Sledge
- 23. National Seminar on Biopolymers NSBP-2018 Organized by Research Department of Sadakathullah Appa College on 19.09.2018**
85. M. Syed Ali Fathima and M. Johnson. Evaluation of Antibacterial Activity of Medicinal Plants *Pouzolzia wightii* Benn.
- 24. International Conference on Bio-Commerce 2019 Organized By Department of Zoology and Research Centre Aditanar College of Arts and Science on 14-15 March 2019**
86. M. Johnson, M. Syed Ali Fathima and A. Mohamed Ansar. Anticancer Activity of *Pouzolzia wightii* Benn. stem ethanolic extracts against Hela cell line
- 25. UGC Sponsored National Conference on "Current Trend's in Biological Sciences" Organized by PG & Research Department of Botany St. Xavier's College (Autonomous) on 13-14th March 2019**
87. Arun Prasath P, Alex Christon R, Sakthi K and Johnson M. Cytotoxic studies on *Tectaria wightii* (Clarke) Ching aqueous extracts against *Artemia salina*

88. Sakthi K, Subash Sankar T, Arun Prasath P and Johnson M. Cytotoxic studies on *Cheilanthes farinosa* (Forssk.) Kaulf aqueous extracts against *Artemia salina*
89. Subash Sankar T, Vidyarani George, Silvia Juliet I and Johnson M. Cytotoxic studies on *Adiantum concinnum* Willd. aqueous extracts against *Artemia salina*
90. Silvia Juliet I, Shibila T, Sundari S and Johnson M. Inter-Specific variation studies on *Adiantum* using SDS-PAGE
91. Silvia Juliet I, Vidyarani George, Johnson M. Localization of secondary metabolites in the stipes of *Arachnoides* using Foldscope and compound microscope
92. Vidyarani George, Shibila T, Janakiraman N, Laly Joseph and Johnson M. Protein profiles and inter-specific variation studies on *Tectaria* species
93. Vidyarani George, Silvia Juliet I and Johnson M. Anatomical and histochemical studies on selected pteridophytes from Ponmudi hills using foldscope
94. Johnson M, T. Amutha Priya. In vitro propagation of *Elaphoglossum beddomei* Sledge
95. Alex Christon R, Silvia Juliet I, Vidyarani George, Johnson M, Rajesh K P, Vijisha P and Madhusoodanan P.V. Histochemical studies on selected *Nephrolepis* species using foldscope and compound microscope
96. Revathy I, Preethi N, Salini S, Alex Christon R, Thulasi R, Johnson M, Rajesh KP and Madhusoodanan PV. Histochemical studies on *Selaginella* species of Malabar region
97. Luvia Wincy D, Premalakshmi J, Alex Christon R, Johnson M, Rajesh KP and Madhusoodanan PV. Histochemical studies on *Cheilanthes anceps* Blanf and *Cheilanthes tenuifolia* (Burm.f) Sw species of Malabar region
98. Sujatha M, Vanila D and Johnson M. α – amylase inhibitory activity of *Eragrostis amabilis* (L.) Wight. Arn and *Eragrostis pilosa* (L.) Beauv
99. Sujatha M, Vanila D and Johnson M. Preliminary phytochemical analysis of *Eragrostis amabilis* (L.) Wight. Arn and *Eragrostis pilosa* (L.) Beauv.

26. UGC and CSIR Sponsored 2nd National Conference on “Current Trend’s in Biological Sciences” Organized by PG & Research Department of Botany St. Xavier’s College (Autonomous) on 6th and 7th February, 2020

100. Chalini K, Johnson M. Assessing The Potential Of 6 Dna Barcodes Its, Rbc, Cox, Kcox, 23s And Tufa Of Family Solieriaceae
101. Chalini K, Johnson M. Efficient , Rapid , Simple And Cost Effective DNA Isolation Method For Dna Barcoding Of Marine Red Algae
102. Silvia Juliet I, Johnson M, Vidyarani George, Sanjay Kumar Kewat, and Puyam Devanda Singh. Ferns of Hmuifang

103. Vidyarani George, Johnson M, Silvia Juliet I, Sanjay Kumar Kewat, and Puyam Devanda Singh Lycophytes and Ferns of Murlen National Park
104. Babu, M. Johnson and D. Patric Raja Phytochemical, Hplc Profile And Evalution Of Antibacterial Potential Of *Caulerpa Cornyephora* Montagne
105. Johnson M, Shibila T Green Synthesis and Cytotoxicity Activities On *Pteris multiaurita*
106. JohnsonM, Syed Ali Fathima M, Mohamed Ansari A. Evaluation Of In Vitro Anticancer Activity of Ethanolic Extracts of *Pouzolzia Wightii* Benn. Root Against Hela Cell Line
107. Chandra Saleride J, Johnson M, Paulraj K Chemical Constituents of *Adiantum latifolium* Lam.
108. Murugammal N, Rathinam J, Vidyarani George, Silvia Juliet I, Johnson M. Toxicity of Selected Seaweeds Against *Artemia salina*
109. Dhinesh Kumar M, Sivahari S. M, Alex Christon R, Vidyarani George, Silvia Juliet I, Johnson M Toxicity Of *Christella meeboldii* Holttum. And *Trignospora caudipinna* (Ching) Sledge. Against *Artemia Salina*
110. Sivahari S. M, Dhinesh Kumar M, Alex Christon R, Vidyarani George, Silvia Juliet I, Johnson M Toxicity Of *Dryopteris cochleata* (D. Don) C. Chr. Against *Artemia salina*
- 27. National Conference on Pteridology Today and Tomorrow: Relevance to impact on Diversity and Climate Change Organized by Department of Botany, The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat and Indian Fern Society on 24th and 25th February, 2020**
111. Alex Christon R, Johnson M. Localization of Secondary metabolites in the Selected Pteridophytes using histochemistry
112. Johnson M, Ganesan V, Vidyarani George, Silvia Juliet I. Lycophytes and Ferns of Anamalai Tiger Reserve
113. Johnson M, Subash Sankar T, Alex Christon R, Silvia Juliet I and Vidyarani George. Lycophytes and Ferns of Shencottai to Achankovil and S-Bend to Thenmalai (Tamil Nadu – Kerala)
114. Johnson M, Silvia Juliet I, Vidyarani George, Sanjay Kumar Kewat, Puyam Devandra Singh. Lycophytes and Ferns of Mizoram
115. Johnson M, Anwardeen I, Periasany A, Gayathri R, Alex Christon R, Vidyarani George, Silvia Juliet I. Lycophytes and Ferns of Shervarayan Hills.
116. Alex Christon R, Johnson M. Lycophytes and Ferns of Nedumangad to Kulashekaram

28. National Conference on Advances in Biological Sciences (ABS-2022) organized by Department of Botany, V.O.C. College, Thoothukudi 30th March, 2022

117. Silvia Juliet I and Johnson M. In Vitro Spore Culture of Anemia wightiana Gardner P. No. 73
118. Silvia Juliet I and Johnson M. In Vitro Ontogeny of Cyathea gigantea (Wall. ex Hook.) Holtt. P. No. 74
119. Inbaveni V1 , Anne Wincy J, Shivananthini B, Johnson M, Silvia Juliet I and Vidyarani George. Molecular Variation Studies on Pteridophytes of Western Ghats using matK Gene P. No. 75
120. Shivananthini B, Johnson M, Vidyarani George and Silvia Juliet I. Biosynthesis of Silver Nanoparticles and Evaluation of Their Cytotoxicity Potential Using Selaginella intermedia (Blume) Spring. P. No. 93
121. Malathi R, Anne Wincy J, Shivananthini B, Johnson M, Silvia Juliet I, Vidyarani George Genetic Variation Studies on Pteridophytes of Western Ghats Using TrnL-trnFgene. P. No. 116
122. Preethi S, Johnson M, Vinoth A, Silvia Juliet I3 , Vidyarani George, Shivananthini B, Valarmathi A, Sabitha V and Selva Rohini T. Anatomical and Histochemical Profile on Selected Pteridophytes P. No. 122
123. VasanthaSakthi S, Anne Wincy J, Shivananthini B, Johnson M* , Silvia Juliet I, Vidyarani George. Intra Specific, Inter Specific and Inter Generic Variation Studies on Pteridophytes of Western Ghats using rbcl Gene P. No. 124
124. Vidyarani George, and Johnson M. Protein Expression Studies on the Gametophyte and Sporophyte Stages of Three Selected Ferns P. No. 125
125. Visumathi A, Senthil Kumar T , Johnson M, Shivananthini B. Chemotaxonomic Studies on Selected Pteridophytes using NTsys P. No. 126
126. Vidyarani George, and Johnson M. Isoperoxidase Expression on Gametophyte and Sporophyte Stages of Three Selected Ferns P. No. 127

WEBMINARS/SEMINARS/ CONFERENCES / SYMPOSIA / WORKSHOP ATTENDED:			
S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date
1	Six days Training Programme on Advanced Electrophoresis Techniques	BIO TECH, Yercaud, Tamil Nadu, India	BIO TECH, Yercaud, Tamil Nadu, India. 27 th January to 1 st February, 2004
2	Three days Training Programme on Electrophoresis	BIO TECH, Yercaud, Tamil Nadu, India.	BIO TECH, Yercaud, Tamil Nadu, India.

			6 th to 8 th November,2002
3	Training Programme on Molecular Biological Techniques	Genei, Bangalore	Vivekananda College for women Erode, TN. India. 1 st & 2 nd March, 2001
4	Three Days Workshop on Moss Taxonomy organized by	Scott Christian College, Nagercoil,	Scott Christian College, Nagercoil, Tamil Nadu, India. 13 th - 15 th January, 2014
5	Indo-UK Joint Workshop on Plant Molecular Farming II	UKIKERI	Bharathiar University, Coimbatore on 13 th and 14 th March, 2014
6	Workshop on Mapping of Gene Expression conducted	UGC	Manonmaniam Sundaranar University, Tirunelveli on 19 th - 23 rd December, 2016
7	Workshops on Basic Statistics using SPSS and EXCEL	Sadakathullah Appa College, Tirunelveli	Sadakathullah Appa College, Tirunelveli, Tamil Nadu on 5 th and 6 th January, 2017
8	Workshop on Advanced Computer Aided Drug / Biological Design	Manipal University	4 th - 8 th January, 2021
9	Workshop on CE Basics: Sanger sequencing and Fragmental analysis	Bharathiyar University	25 th September, 2020
10	Workshop on CE Webinar II- Virtual training on application of nucleic acid Analysis	Bharathiyar University	23 rd - 25 th December, 2020

Participated in Seminar / Symposium / Conference

1. New Millennium Seminar On Medicinal Plants – organised by CENTRE FOR BIODIVERSITY AND BIOTECHNOLOGY (CBB) on 3rd to 5th February, 2000 (participated and Organizing Committee Member)
2. National Level Biological Congress on Biome and Biosciences organized by Muthayammal College of Arts and Sciences, Raisipuram on 9th and 10th January, 2004 (participated and Organizing Committee Member)
3. Teacher Empowerment for Classroom Effectiveness organized by St. Xavier's College, Palayamkottai on 1st and 2nd February, 2008
4. National conference on Global Climatic Change and its impact on Biodiversity organized by St. Xavier's College, Palayamkottai on 19th and 20th February, 2009 (participated and Organizing Committee Member)
5. Orientation Programme for Teachers Organized by IQAC, St. Xavier's College, Palayamkottai on 15th and 16th June, 2009

6. National conference on Quality Initiatives for student support and progression Organized by IQAC, St. Xavier's College, Palayamkottai on 4th and 5th December, 2009
7. Orientation Programme for Teachers Organized by IQAC, St. Xavier's College, Palayamkottai on 14th June, 2010
8. National Seminar on Nature and Biodiversity Conservation organized by Sadakathullah Appa College, Tirunelveli on 31st January, 2011
9. National Seminar on "Innovations in curriculum Designing under Choice – Based Credit System Organized by IQAC, St. Xavier's College, Palayamkottai on 7th December, 2011
10. Research Awareness Programme Organized by Entomology Research Institute, St. Xavier's College, Palayamkottai on 9th March, 2012
11. Orientation Programme for Teachers Organized by IQAC, St. Xavier's College, Palayamkottai on 15th June, 2012
12. Orientation Programme for Teachers Organized by IQAC, St. Xavier's College, Palayamkottai on 18th and 19th August, 2012
13. National Seminar on Sustainable Energy for Development – opportunities and Challenges Ahead Organized by Department of Botany, St. Xavier's College, Palayamkottai on 13th and 14th December, 2012
14. Enriching Environmental Education: A National Consultation on Promoting Education in Higher Education Institutions organized by Centre for Environmental Studies, Lady Doak College, Madurai on 7th and 8th February, 2013
15. National Seminar on Environmental Education – Challenges and Practices organized by St. Xavier's College, Palayamkottai on 10th and 11th January, 2013 (participated and Organizing Committee Member)
16. Orientation Programme for Teachers Organized by IQAC, St. Xavier's College, Palayamkottai on 21st January, 2014
17. Orientation Programme for Teachers on Innovative Teaching Strategies for Student – Centered Education Organized by IQAC, St. Xavier's College, Palayamkottai on 5th July, 2014
18. Orientation Programme for Teachers on Classroom Management and Teaching Skills Organized by IQAC, St. Xavier's College, Palayamkottai on 21st August, 2014
19. National Seminar on Innovations in the Student – Centered Teaching – Learning Process in 21st Century Organized by IQAC, St. Xavier's College, Palayamkottai on 29th and 30th January, 2015
20. Orientation Programme for Teachers on Millennium Psychology of Students Organized by IQAC, St. Xavier's College, Palayamkottai on 14th and 15th June, 2016
21. Seminar for Teachers on Psychology of Students Organized by IQAC, St. Xavier's College, Palayamkottai on 30th September, 2016
22. National Symposium on The Genomic Age Challenges and Opportunities in Taxonomy and Biology of Indian Pteridophytes organized by Botanical Survey of India and The Indian Fern Society on 3rd and 4th March, 2017
23. Orientation Programme for Teachers on Counseling and Mentoring Organized by IQAC, St. Xavier's College, Palayamkottai on 19th and 20th June, 2017
24. Seminar on Advanced Separation and Detection organized by Agilent Technologies India Pvt Ltd on 5th September 2018

25. National Conference on Pteridology Today and Tomorrow: Relevance to impact on Diversity and Climate Change organized by Maharaja Sayajirao University of Baroda, Vadodara, Gujarat on 24th and 25th February 2020
26. Environment and Sustainable Development organized by Francis Xavier Engineering College, Tirunelveli on 23rd May, 2020
27. When and Where to Divide to Conquer: Personalized medicine using systems and Machine based Biological Approaches organized by MANAV, Pune on 4th June, 2020
28. COVID – 19: The Pademic Redefined, organized by School of Life Sciences, Pondichery University, on 5th and 6th June, 2020
29. Current status of Pteridophytes of Western Ghats of India organized by Department of Botany, Sarah Tucker College, Tirunelveli on 29th June, 2020
30. Disinfection Technology of Hospital Wastes and Waste Water – Suggestions for disinfection strategy during COVID 19 Pandemic organized by Francis Xavier Engineering College, Tirunelveli on 3rd June, 2020
31. CE- Basics : Sanger Sequencing and Fragmental Analysis, organized by Bharathiar University, Coimbatore on 25th September, 2020
32. CE – Webinar II: Virtual Training on Application of Nucleic Acid Analysis organized by 23rd – 25th December, 2020

COUNTRIES VISITED

Ethiopia	Oman		

EXTRA-CURRICULAR ACTIVITIES/ CO-CURRICULAR ACTIVITIES ATTENDED(NCC/NSS/YRC/SPORTS/LITERARY AND CULTURAL ACTIVITIES)

Sports Cell Member
Enviro club Co-ordinator and Member
STAND – Staff In Charge -3 Years
Democracy Forum – Member
Students Council – Member

Date: 16th August, 2022

Name: Johnson, M