

BIODATA



Name : SREEJA PS

Designation : GUEST LECTURER

Department : BOTANY

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Academic Qualification : Ph. D (BOTANY)

Experience:

- Teaching : 1.7 years
- Research

Area of Interest/ specialisation : PHYTOCHEMISTRY AND PHARMACOLOGY

Area of Research : BIOPROSPECTION OF MEDICINAL PLANTS

Major/Minor Research Projects

Responsibilities Undertaken(Official)

Seminars Organised/ Invited Lectures :

WEBINAR/WORKSHOP CO-ORDINATED

- International webinar on "Wetland conservation" on February 5, 2022 at Department of Botany, NSS College, Nemmara, Palakkad (Co-ordinator)
- National workshop on "Awareness of Intellectual Property Rights" on December 18, 2021 at Department of Botany, NSS College, Nemmara, Palakkad in association with The State University of Mato Grasso, Brazil (Organizing committee member)

INVITED SPEAKER

Invited as a resource person in a National Webinar series **Nymphaea 2021** on 12th March 2021, on the topic "Ethnobotany", at Department of Botany, Sree Narayana College, Alathur, Palakkad, Kerala.

Publications in Journals (Numbers)(Title with page No, Journal, ISSN/ISBN No whether peer reviewed no. of co-authors) : 14 RESEARCH ARTICLES

Sl No	Title with page No	Journal	ISSN/ISBN No	whether peer reviewed	no. of co-authors

1	Toxicity and Antiulcer Properties of <i>Ipomoea wightii</i> (Wall.) Choisy Leaves: An <i>In Vivo</i> Approach Using Wistar Albino Rats. Volume 2022, Article ID 4328571, 14 pages.	Evidence-Based Complementary and Alternative Medicine.	ISSN: 1741-427X (Print) ISSN: 1741-4288 (Online)	Yes	4
2	The Antioxidant Properties of Mushroom Polysaccharides can Potentially Mitigate Oxidative Stress, Beta-Cell Dysfunction and Insulin Resistance. 13:874474	<i>Frontiers Pharmacology</i>	ISSN 1663-9812	Yes	3
3	A concise review of mushrooms antiviral and immunomodulatory properties that may combat against COVID-19.	<i>Food Chemistry Advances.</i>	ISSN: 2772-753X	Yes	3
4	Antioxidant and Antivenom Potential of an Essential Oil, 4-(2-Oxo-propyl)-cyclopentane-1,3-dione, and Allantoin Derived from the Polyherbal Combination of <i>Aristolochia</i>	Evidence-Based Complementary and Alternative Medicine	ISSN: 1741-427X (Print) ISSN: 1741-4288 (Online)	Yes	9

	<i>indica</i> L. and <i>Piper nigrum</i> L., 20 pages				
5	Effect of in vitro simulated digestion on sugar content and biological activities of <i>Zehneria maysorensis</i> (Wight & Arn.) Arn. Leaf polysaccharides. PP. 1765-1772	<i>Journal of Food Measurement and Characterization.</i>	Electronic ISSN 2193-4134 Print ISSN 2193-4126	Yes	7
6	Effects of invitro simulated gastrointestinal digestion on the antioxidant, α glucosidase and α -amylase inhibitory activities of water-soluble polysaccharides from <i>Opilia amentacea</i> roxb fruit. 111 (2019) 774–781	<i>LWT - Food Science and Technology</i>	ISSN: 0023-6438	Yes	7
7	Gastroprotective effect and mode of action of methanol extract of <i>Sphenodesme involucrata</i> var. <i>paniculata</i> (CB Clarke) Munir (Lamiaceae) leaves on experimental gastric ulcer models. 97 (2018): 1109-1118	<i>Biomedicine & Pharmacotherapy</i>	ISSN 0753-3322	Yes	7
8	<i>Sphenodesme involucrata</i> var.	Journal of Ethnopharmacology	ISSN 0378-8741.	Yes	10

	<p><i>paniculata</i> (C.B. Clarke) Munir.: Chemical characterization, anti-nociceptive and anti-inflammatory activities of methanol extract of leaves. 225 (2018): 71–80</p>				
9	<p>Evaluation of <i>Aristolochia indica</i> L. and <i>Piper nigrum</i> L. methanol extract against centipede <i>Scolopendra moristans</i> L. using Wistar albino rats and screening of bioactive compounds by high pressure liquid chromatography: a polyherbal formulation. 1603-1612</p>	<p><i>Biomedicine & Pharmacotherapy</i></p>	ISSN 0753-3322	Yes	8
10	<p>The effect of Parthenium extract on cells and chromosomes in <i>Allium cepa</i> L. 3(1): 44-62</p>	<p><i>Devagiri Journal of Science</i></p>	ISSN:2454-2091	Yes	6
11	<p>Effect of different cooking methods of <i>Hibiscus serratensis</i> L. leaf vegetable on nutritional, antinutritional composition, and</p>	<p><i>Journal of Culinary Science & Technology</i></p>	ISSN 15428052	Yes	7

	antioxidant activities. PP. 13-28				
12	Chemical profiling of Pterolobium hexapetalum leaves by HPLC analysis and its productive wound healing activities in rats. 287-297	Biomedicine & Pharmacotherapy	ISSN 0753-3322	Yes	6
13	Phytosynthesis of silver nanoparticles using the leaves extract of <i>Ficus talboti</i> king and evaluation of antioxidant and antibacterial activities. 18066-18075	Environmental Science and Pollution Research.	ISSN: 09441344, 16147499	Yes	4
14	Identification of Rye chromosome substitutions in Triticale and its relation with kernel characters and seed setting through Giemsa C-banding technique. Vol 2, No. 4, P253-336	Asian Pacific Journal of Reproduction	ISSN 23050500	Yes	2

Paper Presentations(Number) : 2

Seminars Attended : International(No) : 2

National : 6

State level

Books Published (Title with page No, book title, editor and publisher ISSN/ISBN no. whether peer reviewed no. of co-authors)

Sl No	Title with page No	book title	editor and publisher	ISSN/ISBN no	whether peer reviewed	no. of co-authors
Book published						
1	Bioassays in Experimental and Preclinical Pharmacology	Bioassays in Experimental and Preclinical Pharmacology	Editor: Karuppusamy Arunachalam and Sreeja Puthanpura Sasidharan Publisher: Springer Nature, International Publishing, New York, USA.	ISBN: 978-1-0716-1233-0	Yes	2
2	Natural Product Experiments in Drug Discovery	Natural Product Experiments in Drug Discovery	Edited by : Karuppusamy Arunachalam and Xuefei Yang and Sreeja Puthanpura Sasidharan Publsiher: Springer Nature, International Publishing, New York, USA.	ISBN 978-1-0716-2682-5 ISBN 978-1-0716-2683-2(eBook)	Yes	3
Book chapters						
1	<i>Schefflera</i> Genus (Araliaceae) A Review of Its Botanical Description, Ethnobotanical Uses, Phytochemistry, Pharmacology and Toxicology. pp.101-110	<i>Medicinal Plants: Promising Future for Health and New Drugs</i>	<i>Edited By Parimelazhagan Thangaraj</i> Publisher: CRC Press Taylor & Francis Group 6000 Broken Sound Parkway NW, Suite 300 Boca Raton, FL 33487-2742	ISBN 9780815370529	Yes	3
2	Antidiabetic Activity by the In Vitro α -Amylase and α -Glucosidase Inhibitory Action of	<i>Medicinal Plants: Promising Future for Health and New Drugs</i>	<i>Edited By Parimelazhagan Thangaraj</i> Publisher: CRC Press Taylor &	ISBN 9780815370529	Yes	4

	Indian Ayurvedic Medicinal Plants <i>Ficus amplissima</i> Smith." pp.101-110		Francis Group 6000 Broken Sound Parkway NW, Suite 300 Boca Raton, FL 33487-2742			
3	Evaluation of Anti-ulcer Potential of <i>Sphenodesme involucrata</i> var. <i>paniculata</i> (C.B. Clarke) Munir Leaves on Various Gastric Aggressive Factors. pp.203-212	Phytomedicine: Research and Development	Editor: Thangaraj Parimelazhagan Publisher: CRC Press Taylor & Francis Group 6000 Broken Sound Parkway NW, Suite 300 Boca Raton, FL 33487-2742	ISBN 978036785759 2	Yes	3

Articles Published in Magazines (Title with page No editor and publisher ISSN/ISBN no. whether peer reviewed no. of co-authors)

Membership in Professional Bodies

Honours and Awards