



Kristu Jayanti College

AUTONOMOUS Bengaluru

Reaccredited A++ Grade by NAAC | Affiliated to Bengaluru North University

DEPARTMENT OF LIFE SCIENCES



c. Research Publications by Faculty Members *

a) Articles in Scopus/UGC/WoS/ABDC Journals/Peer Reviewed

Total number of research articles published: 29

Scopus: 20

Peer review: 07

Web of Science: 02

Sl. No.	Name	Title of the Article	Article	Details of Publisher	Month, Year of publication, ISSN No	Bibliometrics (Citation & H Index)	Article URL	UGC – CARE Scopus Approval If yes, Provide No
1.	Dr. Deepak P & Dr. Nathiya T	Synthesis and characterization of reduced graphene oxide nanosheets using Saraca indica leaves and their antioxidant, antibacterial, and anticancer applications	Article	Springer	August, 2023, e-ISSN : 2190-6823 Print ISSN: 2190-6815	H-index is 75 and its SJR is 0.53.	10.2174/9789815123524123020015	Scopus: https://www.scopus.com/sourceid/21100466851
2.	Dr. Deepak P & Dr. Nathiya T	Marine brown algae (Sargassum wightii) derived 9-hydroxyhexadecanoic acid: A promising	Article	Elsevier	August, 2023; Online ISSN: 1727-9321; Print ISSN: 0254-6299	H-index is 39	https://doi.org/10.1016/j.sajb.2023.08.064	Scopus: https://www.scopus.com/sourceid/17257

		inhibitor of α -amylase and α -glucosidase with mechanistic insights from molecular docking and its non-target toxicity analysis						
3.	Dr. Sangeetha Menon	Phytochemical analysis and in vitro evaluation of antibacterial and antidermatophytic activity of <i>Centella asiatica</i> (L.) Urban extracts	Research Article	Society for Conservation and Resource Development of Medicinal Plants	September 2023; ISSN:0975-4261; E-ISSN:0975-6892	0.7	10.5958/0975-6892.2023.00057.6	https://www.scopus.com/sourceid/19800188074
4.	Dr. Arpita Mishra	Phytochemical analysis and in vitro evaluation of antibacterial and antidermatophytic activity of <i>Centella asiatica</i> (L.) Urban extracts	Research Article	Society for Conservation and Resource Development of Medicinal Plants	September 2023; ISSN:0975-4261; E-ISSN:0975-6892	0.7	10.5958/0975-6892.2023.00057.6	https://www.scopus.com/sourceid/19800188074
5.	Dr. Manikandan K	Phytochemical analysis and in vitro evaluation of antibacterial and antidermatophytic activity of <i>Centella asiatica</i> (L.) Urban	Research Article	Society for Conservation and Resource Development of	September 2023; ISSN:0975-4261; E-ISSN:0975-6892	0.7	10.5958/0975-6892.2023.00057.6	https://www.scopus.com/sourceid/19800188074

		extracts		Medicinal Plants				
6.	Dr. Priya J. Akkara	Methanolic leaf extract of Catharanthus roseus reveals wound healing activity on mouse fibroblast L929 cell lines	Research Article	Society for Conservation and Resource Development of Medicinal Plants	September 2023; ISSN:0975-4261; E-ISSN:0975-6892	0.7	10.5958/0975-6892.2023.00057.6	https://www.scopus.com/sourceid/19800188074
7.	Dr. Dileep Francis	Effective gene delivery using size dependent nano core-shell in human cervical cancer cell lines by magnetofection	Research Article	PLoS ONE	September 2023; ISSN:1932-6203	6.0	https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0289731	https://www.scopus.com/sourceid/10600153309
8.	Dr. Dileep Francis	The biofilm proteome of Staphylococcus aureus and its implications for therapeutic interventions to biofilm associated infections	Research Article	Elsevier	September 2023; ISSN:1876-1623	7.9	https://doi.org/10.1016/bs.apcsb.2023.08.002	https://www.scopus.com/sourceid/19700180835
9.	Dr. Dileep Francis	Antimicrobial, Antioxidant and anti-inflammatory activities of Justicia adhatoda L. leaf extract	Research Article	Society for Conservation and Resource Development of	September 2023; ISSN:0975-4261; E-ISSN:0975-6892	0.7	10.5958/0975-6892.2023.00057.6	https://www.scopus.com/sourceid/19800188074

				Medicinal Plants				
10.	Dr. Sonia M Angeline	Methanolic leaf extract of Catharanthus roseus reveals wound healing activity on mouse fibroblast L929 cell lines	Research Article	Society for Conservation and Resource Development of Medicinal Plants	September 2023; ISSN:0975-4261; E-ISSN:0975-6892	0.7	10.5958/0975-6892.2023.00057.6	https://www.scopus.com/sourceid/19800188074
11.	Dr. Deepak P	Facile synthesis of ZnO-Y ₂ O ₃ nanocomposite for photocatalytic and biological applications	Article	Elsevier	October, 2023; ISSN No. 1566-7367	5.9	https://doi.org/10.1016/j.catcom.2023.106786	Scopus : https://www.scopus.com/sourceid/22746
12.	Dr. Nathiya T	Facile synthesis of ZnO-Y ₂ O ₃ nanocomposite for photocatalytic and biological applications	Article	Elsevier	October, 2023; ISSN No. 1566-7367	5.9	https://doi.org/10.1016/j.catcom.2023.106786	Scopus : https://www.scopus.com/sourceid/22746
13.	Dr. Priya J. Akkara, Dr. M. Sonia Angeline	Comparative Analysis of Physico-Chemical, Bacteriological Parameters and Water Quality of Lakes in North Bangalore	Article	Indian Journal of Natural Sciences, International Bimonthly (Print) – Open Access	October, 2023; ISSN: 0976 – 0997,	-		WOS

14.	Dr. Sangeetha Menon	Studies on the effects of <i>Adansonia digitata</i> Lin's fruits on diabetes	Article	Assoc. Advancement Zoology	Nov. 2023, ISSN: 0253-7214	0.1	https://doi.org/10.17762/jaz.v44iS4.1655	https://www.scopus.com/sourceid/22525
15.	Dr. Sangeetha Menon	Studies on the effects of <i>Adansonia digitata</i> Lin's fruits on diabetes	Article	Assoc. Advancement Zoology	Nov. 2023, ISSN: 0253-7214	0.1	https://doi.org/10.17762/jaz.v44iS4.1655	https://www.scopus.com/sourceid/22525
16.	Dr. Vijayanand S.	Using Chemical Precipitation to Recover Struvite from Household Wastewater for Agricultural Fertilizer Utilization	Article	MDPI	December, 2023, ISSN : 2673-4591	0.7	https://doi.org/10.3390/engproc2023059038	https://www.scopus.com/sourceid/21101128137
17.	Dr. Jyoti Ramojwar	A review on application of natural pigments as an alternative to toxic synthetic dyes in staining biological samples	Article	BPAS	December, 2023, ISSN: 2277-4998	-	https://doi.org/10.31032/IJBPAS/2023/12.11.7567	peer reviewed
18.	Dr. Challaraj Emmanuel E S	Precision Targeting and Genetically Modified T Cells for Targeting Cancer Cells	Article	International Journal of Trends in Oncoscience	January 2024 E-ISSN 2583-8431	NA	https://doi.org/10.2376/ijtos.2023.2.1.1-9	peer reviewed
19.	Dr. Sriram T, Dr.S.Vijayanand, & Dr.Malathi R	Synthesis of copper nanoparticles from the leaf extract of <i>Psidium guajava</i> L. and its antioxidant,	Article	Annals of Phytomedicine	January 2024 E-ISSN 2278-9839	NA	http://www.ukaazpublications.com/publications/wp-content/uploads/2023/December/55.pdf	peer reviewed

		anticancer, antifungal activities					f	
20.	Dr. Malathi R	Molecular Docking of Fisetin as a Multi-target drug in the treatment of Alzheimer's disease	Article	Research Journal of Pharmacy and Technology	Dec 2023 0974-360X	H index -50	https://rjptonline.org/AbstractView.aspx?PID=2023-16-12-42#:~:text=The%20study%20was%20focused%20on,with%20the%20therapeutic%20target%20proteins.	peer reviewed
21.	Dr. Deepak P	Assessment of antioxidant and digestive enzyme inhibition by phycomolecules isolated from marine brown alga Sargassum wightii	Article	Food and Humanity	Jan 2024, ISSN: 2949-8244	NA	https://www.sciencedirect.com/science/article/pii/S2949824424000016?via%3Dihub	peer reviewed
22.	Dr. Shinomol George K	Chemically modified Ginger and Spirulina for bioremediation of Hexavalent Chromium from polluted water	Article	Journal of Integrated Science and Technology	Jan 2024, ISSN 2321-4635	citation index: 4.322; H index: 3	https://pubs.thesciencein.org/journal/index.php/jist/article/view/a782	peer reviewed

23.	Dr. Esther Shoba R	Overview of pest status, control strategies for <i>Spodoptera litura</i> (Fab.): a review	Article	Journal OF Biopesticide	Dec, 2023, 0974-391x	1	http://www.jbiopes.com/users/LW8/files/vol_16_2_159-178.pdf	peer reviewed
24.	Dr. Jyoti R.	Green synthesis of cadmium oxide nanoparticles (CdO-NPS) using <i>syzygium cumini</i> : exploring industrial applications of CdO NPs as a corrosion inhibitor of mild steel in the acidic environment	Article	Royal Society of Chemistry	March 2024, 2046-2069	IF: 3.9	https://pubs.rsc.org/en/content/articlepdf/2024/ra/d4ra00560k	Scopus
25.	Dr. Prasanna Kumar C.	Diversity and abundance of archaeal amoA genes in the permanent and temporary oxygen minimum zones of Indian Ocean	Article	Regional Studies in Marine Sciences	Feb, 2024, 2352-4855	IF: 2.1, Cite score: 3.5	https://doi.org/10.1016/j.rsma.2024.103497	Scopus
26.	Dr. Deepak P	Eco-friendly bio-larvicidal and antimicrobial activity of isolated bioactive compound from <i>Kurthia gibsonii</i> (Bacillales)	Article	Natural Product Research; Taylor and Francis	May, 2024; Print ISSN: 1478-6419	Q1; Impact factor: 2.2	https://www.tandfonline.com/doi/full/10.1080/14786419.2024.2350633	Scopus

27	Prasanna Kumar C.	Barcoding, structural, and genetic variation of morphologically adopted polychaetes (Annelida: Paronidae, Lumberineridae, Spionidae) using mitochondrial COI gene sequences from the Bay of Bengal shelf including Oxygen Minimum Zone	Article	Regional Studies in Marine Sciences	May, 2024, ISSN:2352-4855	Q1; Impact factor: 2.1	https://doi.org/10.1016/j.rsma.2024.103613	Scopus
28	Ashok D	Bioaccumulation of Pb (Lead) in the Muscles of Danio rerio	Article	Agricultural science digest	May 2024 ISSN 0976-0547	Q4 IF 0.8	10.18805/ag.D-5924	Scopus
29	Dr. M. Sonia Angeline	Deportation of Reactive Nitrogen Compound by Biological Method in Wastewater Treatment Plant	Article	Indian Journal of Natural Sciences	Apr / 2024 ISSN: 0976 – 0997			WoS

B. Book chapters in Scopus/UGC/WoS/ABDC Journals/Peer Reviewed

Peer reviewed: 10

Sl. No.	Name	Title of the Article	Details of Publisher	Month, Year of publication, ISSN No	Article URL	UGC CARE Scopus Peer review
1.	Dr. Shinomol George K	Microbial degradation of sodium polyacrylate present in diapers	Bentham Science Publishers, Singapore	July, 2023, 978-981-5123-52-4	10.2174/9789815123524123020015	peer reviewed
2.	Dr. U. Sivagamasundari	Impact of Climate Change in Agriculture and Food Supply	Akinik Publishers, New Delhi	July 2023, ISBN: 978-93-5570-687-4	https://doi.org/10.22271/ed.book.2264	peer reviewed
3.	Dr. Malathi R.	A Molecular Approach of Signaling Molecules, Its Receptors and Their Responses	Thanuj International Publisher	September 2023; ISBN No. 978-93-94638-30-3	https://darshanpublishers.com/pdfcopy/thanuj/978-93-94638-30-3.pdf	peer reviewed
4.	Dr. Jyoti Ramojwar	Phytochemicals	Thanuj International Publisher	September 2023; ISBN No. 978-93-94638-30-3	https://darshanpublishers.com/pdfcopy/thanuj/978-93-94638-30-3	peer reviewed
5.	Dr. Vijayanand	Role of diet and Nutrition in Enhancing sporting performance	Thanuj International Publisher	September 2023 ISBN No. 978-93-94638-30-3	https://darshanpublishers.com/pdfcopy/thanuj/978-93-94638-30-3	peer reviewed
6.	Dr. Shinomol George K	Multiple broad spectrum neuromodulatory effects of Bacopa monneri and Centella asiatica in preclinical/ clinical models: mechanistic considerations	Academic Press, Elsevier	October, 2023; Paper back ISBN: 9780443190841	https://doi.org/10.1016/B978-0-443-19084-1.00020-X	peer reviewed

7.	Lt. Kushbu R	Intuition On Biodegradation Of Low Density Polyethene And Inorganic Polymers	Lambert Academic Publishers	Non 2023 , ISBN: 978-93-91342-06-7	https://doi.org/10.1016/B978-0-443-19084-1.00020-X	peer reviewed-
8.	Ms. Kushbu R	Intuition On Biodegradation Of Low Density Polyethene And Inorganic Polymers	Lambert Academic Publisheres	Non 2023 , ISBN: 978-93-91342-06-7	https://doi.org/10.1016/B978-0-443-19084-1.00020-X	peer reviewed
9.	Dr. Priya Josson Akkara	Perception and Acceptance of Terrace and Balcony Gardening for Sustainable Future of Bengaluru	Springer Cham	December, 2023, ISBN: 978-3-031-42084-9	https://doi.org/10.1007/978-3-031-42085-6	peer reviewed
10.	Ms. Kushbu R	Microbes for Clean and Green Environment	JPS Scientific Publications, Tamil Nadu, India.	Dec 2023	https://drive.google.com/file/d/1IBbW5c-z0cZAsylUIXDRnVX2zy8UDqu-/view?usp=sharing	peer reviewed

a) Books Published

Total numbers: 08

Sl. No.	Name	Title of the Book	Details of Publisher	Month, Year of publication, ISBN No	DOI / ISBN No.
1.	Dr. Deepak .P Dr. Natiya .T	Seaweeds: Potential Source in Phycopharmacology – A Review	Lambert Academic Publisher	7/1/2023, ISBN: 978-620-6-17907-8	ISBN: 978-620-6-17907-8
2.	Lt. Kushbu R	A strategic intervention of Microplastics and nanoplastics	Lambert Academic publisher	September 2023; ISBN: 9786206780397	ISBN: 9786206780397
3.	Dr. Priya J. Akkara	The Green Inkwell: Celebrating the Earths Splendour	Blue star publication	Nov 2023,	9798851428296

4.	Dr. Challaraj Emmanuel E S	Textbook of Pharmacology	Saliha Publications	3 December-2023 978-93-94198-75-	978-93-94198-75-3
5.	Dr. Dileep Francis, Dr. Elcey CD, Dr. Shinomol George	Nanoparticles in Healthcare: Applications in Therapy, Diagnosis, and Drug Delivery.	Materials Research Forum, LLC, USA	March 2024, ISBN 978-1-64490-297-4, Print ISBN 978-1-64490-296-7	https://doi.org/10.21741/9781644902974
6.	Dr. Sangeetha Menon	Futuristic Trends in Agriculture Engineering & Food Sciences	Iterative International Publishers (IIP)	May, 2024, 978-93-5747-509-9	https://iipseries.org/view-pub-book.php?bookid=99&bookname=futuristic-trends-in-agriculture-engineering-amp-food-sciences-volume-3-book-6
7.	Dr. Sangeetha Menon	Research Trends in Microbiology Sciences - Vol 1	Bright Sky Publications TM, New Delhi	May 2024, 978-93-92804-99-1	https://www.bspublications.com/books/1714726627-research-trends-in-microbiology-sciences-volume-1
8.	Dr. Sangeetha Menon	Navigating Life's Ebb and Flow- A modest Reality	Iterative International Publishers (IIP)	May 978-93-6252-411-9	https://store.iipbooks.com/book/navigating-lifes-ebb-and-flow-a-modest-reality/