Dr. Mamali Das

Teaching Assistant

Contact

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Academic Qualification

Degree	Institution	Year	Branch	Class
Ph.D.	Alagappa University, Tamilnadu	2021	Biotechnology	Highly commended
M.Phil.	Sambalpur University, Odisha	2008	Life Sciences	First
M.Sc.	Utkal University, Odisha	2006	Biotechnology	First
B.Sc.	Utkal University, Odisha	2003	Zoology	First

Teaching Experience

Total Teaching Experience: 2 Year 11 Months

Position	Institution	Duration
Adjunct Faculty	Department of Biomedical Science, Alagappa University, Karaikudi	1st July 2024- to till date
Assistant Professor	Department of Biotechnology, Dr. Umayal Ramanathan College for Women, Karaikudi, Tamilnadu	1 yr. 5 Months

Research Experience

Total Research Experience: Six years Seven months

Position	Institution	Duration
Project Assistant	Central Salt and Marine Chemicals Research Institute (CSIR-CSMCRI), Bhavnagar, Gujarat, INDIA under the project "Genetic Improvement of *Jatropha curcas* for adaptability and oil yield" (NIMITLI- funded)	March 2009-September 2010
DST-PURSE JRF	Department of Biotechnology, Alagappa University, Tamilnadu	Jan 2017 – October 2018
RUSA 2.0 PhD Fellow	Department of Biotechnology, Alagappa University, Tamilnadu	November 2018 - November 2019
Post Doctoral Research Associate	Department of Neurology, Washington University in St. Louis, St. Louis, Missouri, USA	Jan-2022 to August-2022
Senior Medical Freelance Writer	PEPGRA Healthcare Solutions, Chennai	March 2024-Till date

Academic and Additional Responsibilities

S.No.	Position	University Bodies	Period	
			From	To
1	Member	Entrepreneurship & Skill Development Cell, Dr. Umayal Ramanathan College for Women, Karaikudi, Tamilnadu	January 2023	January 2024
2	Coordinator	Certificate Course on “Clinical Nutrition” Dr. Umayal Ramanathan College for Women, Karaikudi, Tamilnadu	July 2023	October 2023

Area of Research

Molecular pathways of Neurodegeneration, Neuroinflammation and Protein engineering for Neurotherapeutics

Publications

International	National	Book Chapter
12	0	06

h- index : 9

i10 index : 9

Total Citations : 339

Academic Merits & Awards

- DST-PURSE JRF, Alagappa University, 2017
- RUSA 2.0 Ph.D. Fellowship, Alagappa University, 2018

Events organized in leading roles

Position	Programme	Duration	Institution
Co-Convenor	International Conference on "Emerging Paradigms in Disease Management and Energy Technology" ICDMET - 2024	22 & 23 January, 2024	Dr. Umayal Ramanathan College for Women, Karaikudi, Tamilnadu
Organizing Committee Member	Traditional Medicines for Neuronal diseases - Webinar	1 Feb 2024	Dr. Umayal Ramanathan College for Women, Karaikudi, Tamilnadu
Organizing Committee Member	Placement training - Lecture by industry expert – Scope in Industry after doing Biotechnology	February 2024	Dr. Umayal Ramanathan College for Women, Karaikudi, Tamilnadu
Organizing Committee Member	2nd International Symposium on "ADVANCES IN ABORATORY TECHNIQUES FOR BIOMEDICAL APPLICATIONS"	30 January 2025	Alagappa University
Organizing Committee Member	2nd NATIONAL SEMINAR on CANCER PREVENTION AND MANAGEMENT on the occasion of World Cancer Day-2025	24 February 2025	Alagappa University

Organizing Committee Member	RUSA 2.0 EIC Hub Skill Training Workshop on Cancer Therapy	13 - 15 October 2025	Alagappa University
Organizing Committee Member	3rd International Symposium on "ADVANCES IN LABORATORY TECHNIQUES FOR BIOMEDICAL APPLICATIONS"	8 January 2026	Alagappa University

Events Participated

Number of Conferences/Seminars/Workshops: 14

Publications

S.No	Authors/ Title of the paper/Journal	Impact Factor
1	Das M, Kiruthiga C, Kathiresan N, Desai D, Cho WC, Selvaraj C, Kulanthaivel L. Stem-like CD4+ T cells mediate T-cell state transitions to enhance tumor control and immunotherapy response. International Immunopharmacology. 2025 Nov 14;165:115432.	4.7
2	Kiruthiga C, Das M, Sahu R, Premarathna AD. Seaweed as a Functional Food: Exploring Bioactive Compounds for Neuroprotection and Gut-Brain Health in Parkinson's Disease. Next Research. 2025 Sep 28:100875.	--
3	Das M, Kiruthiga C, Shafreen RB, Nachammai K, Selvaraj C, Langeswaran K. Harnessing the human microbiome and its impact on immuno-oncology and nanotechnology for next-generation cancer therapies. European Journal of Pharmacology. 2025 Jun 5;996:177436.	4.7
4	S Prakash, V Sannasi, **M Das**, Symmetric supercapacitors assembled using electrolyte embedded V2O5-rGO composites, Diamond and Related Materials, 2023 138, 110223	4.3
5	Mamali Das, Kasi Pandima Devi, Tarun Belwal, Hari Prasad Devkota, Devesh Tewari,Adeleh Sahebnasagh, Seyed Fazel Nabavi, Hamid Reza Khayat Kashani, MahsaRasekhian, Suowen Xu, Mehran Amirizadeh, Kiumarth Amini, Maciej Banach, JianboXiao, Safieh Aghaabdollahian & Seyed Mohammad Nabavi, Harnessing polyphenol power by targeting eNOS for vascular diseases, Critical Reviews in Food Science andNutrition, 2021	11.176

	Balan Devasahayam Jaya, **Mamali Das**, Sethuraman Sathya, Chandramohan Kiruthiga, Mahalingam Jeyakumar, Mariya Gover Antoniraj, and Kasi Pandima Devi. Chitosan based encapsulation increased the apoptotic efficacy of thymol on A549 cells and exhibited non toxic response in swiss albino mice. International Journal of Biological Biological Macromolecules	7.7
6	**Mamali Das**, Devashayam Jaya Balan, Kasi Pandima Devi, Mitigation of oxidative stress with dihydroactinidiolide, a natural product against scopolamine-induced amnesia in Swiss albino mice, Neurotoxicology, 2021, 86, 149-161	3.4
7	**Mamali Das**, Kasi Pandima Devi, Dihydroactinidiolide regulates Nrf2/HO-1expression and inhibits caspase-3/Bax pathway to protect SH-SY5Y human neuroblastoma cells from oxidative stress induced neuronal apoptosis, Neurotoxicology, 2021, 84, 53-63	3.4
8	**Mamali Das**, Sengodu Prakash, Chirasmita Nayak, Nandhini Thangavel, Sanjeev Kumar Singh, Paramasivam Manisankar, Kasi Pandima Devi, Dihydroactinidiolide, a natural product against Aβ25-35 induced toxicity in Neuro2a cells: Synthesis, in silico and in vitro studies, Bioorganic Chemistry, 2018, 81:340-349	4.5
9	Devashayam Jaya Balan, Tamilselvam Rajavel, **Mamali Das**, Sethuraman Sathya, Mahalingam Jeyakumar, Kasi Pandima Devi, Thymol induces mitochondrial pathway-mediated apoptosis via ROS generation, macromolecular damage and SOD diminution in A549 cells, Pharmacological Reports, 2020, 1-15	3.6
10	Parinita Agarwal, Mitali Dabi, **Mamali Das**, Khantika Patel and Pradeep K. Agarwal, An economical and efficient protocol for total RNA isolation from Jatropha curcas, International Journal of Environmental Studies, 2015, 72:4, 624-630, IF: 1.29.	3.229
11	Parinita Agarwal, Vacha Bhatt, Rekha Singh, **Mamali Das**, Sudhir K. Sopory, Jitendra Chikara, Pathogenesis-Related Gene, JcPR-10a from Jatropha curcas Exhibit RNase and Antifungal Activity, Molecular Biotechnology, 2013, 4, 412-425, IF: 2.275.	2.6
12	Mamali Das, Kasi Pandima Devi A mini review on the protective effect of lignans for the treatment of neurodegenerative disorders, Journal of Nutrition, Food and Lipid Science, 2019 (pp. 40-53). Ocimum Publishers.	-

Book Chapters

S.No	Authors/ Title of the paper/Journal
1	Das M, Kiruthiga C, Kamaladevi A, Langeswaran K. Diabetes in Cancer Survivors. InDiabetes and Cancer: Association, Mechanism, and Therapeutic Implications 2026 Jan 8 (pp. 67-82). Singapore: Springer Nature Singapore.
2	Kamaladevi A, Das M, Kiruthiga C, Langeswaran K. Strategies for Reducing the Risk of Diabetes and Cancer. InDiabetes and Cancer: Association, Mechanism, and Therapeutic Implications 2026 Jan 8 (pp. 83-97). Singapore: Springer Nature Singapore.
3	Kiruthiga C, Das M, Kamaladevi A, Langeswaran K. The Importance of Understanding the Link Between Diabetes and Cancer. InDiabetes and Cancer: Association, Mechanism, and Therapeutic Implications 2026 Jan 8 (pp. 99-110). Singapore: Springer Nature Singapore.
4	Mamali Das, Kasi Pandima Devi. The beneficial role of natural antioxidants in alleviating neuroinflammatory disorders including neurodegeneration. Plant Antioxidants and Health, 2020, 1-20.
5	Mamali Das, Kasi Pandima Devi Potential Role of Curcumin and Its Derivatives Against Alzheimer Disease. In Curcumin for Neurological and Psychiatric Disorders, Neurochemical and Pharmacological Properties, 2019, (pp. 211-230). Academic Press,Elsevier Publishers
6	Mamali Das, Kasi Pandima Devi, Neuroprotective and antiaging essential oils and lipids in plants, In Bioactive Molecules in Food, 2019 (pp. 587-604). Springer, Cham.