



KONGUNADU ARTS AND SCIENCE COLLEGE

(Autonomous)
Coimbatore – 641 029

ODD SEMESTER

DEPARTMENT OF BIOCHEMISTRY (UG)

S. No.	Name of the Faculty	Collaboration with whom	Name and Place of the Collaborative Institution	Title	Duration	Outcome
1.	Dr. Narendhirakannan R.T	Dr. Sinouvassane Djearamane	Department of Biomedical Science, Faculty of Science, Universiti Tunku Abdul Rahman, Kampar, 31900 Malaysia	Nanobiotechnology	5 years January 2020-present	Publication Journal of Experimental Biology and Agricultural Sciences, March - 2021; Volume – 9(Spl-1-GCSGD_2020) page S95 – S100
		Dr. Pariyaporn Itsaranuwat	Department of Biotechnology, Faculty of Technology, Mahasarakham University, Khamriang Sub-District, Kantarawichai, Maha sarakham Thailand	Medicinal Plants and therapeutics	5 years January 2019 - present	Publication Chemical Data Collections. 39: 100874. 2022.

		Dr. MSA Muthukumar Nadar	Department of Biotechnology, Karunya Institute of Technology and Sciences, Coimbatore, Tamil Nadu 641114, India	Medicinal Plants and therapeutics	5 years January 2019 - present	Publication Chemical Data Collections. 39: 100874. 2022.
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DEPARTMENT OF BOTANY:

S. No.	Name of the Faculty	Collaboration with whom	Name and Place of the Collaborative Institution	Title	Duration	Outcome
1.	Dr. K. Sowndhararajan	Prof. Songmun Kim	Department of Biological Environment, Kangwon National University, Chuncheon, South Korea	Biological Activities of Plant Products	2019 - Present	Publications
2.	Dr.G. Dhandapani	Dr. K.Vasanth	Department of Botany, Bharathiar University, Coimbatore, Tamil Nadu.	Plant Tissue Culture, and Genetic Transformation	2019 - Present	Publications

DEPARTMENT OF ZOOLOGY:

S. No.	Name of the Faculty	Collaboration with whom	Name and Place of the Collaborative Institution	Title	Duration	Outcome
1.	Dr. S. Rajeshkumar	Manikandan K,	Marutham Honey – Manikandan K, Nallampallayam, Coimbatore 30	Scientific Beekeeping Training Programme	One Week	Students, Farmers and Self-help group to Promote the beekeeping for the betterment of Indian economy
2.	Dr. C.Shobana	Dr. R.Kalaiselvan	Associate Professor, Department of Physics, Bharathiar University	Synthesis and characterization of Nanoparticles	5 years	Research publications and student project

DEPARTMENT OF BIOTECHNOLOGY:

S. No.	Name of the Faculty	Collaboration with whom	Name and Place of the Collaborative Institution	Title	Duration	Outcome
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1.	Dr B Vishnupriya	Mr P V Vinay Kumar Dr Venkat	CMTI, Bangalore NCBS, Bangalore	Self lifter for Elders Self Weight based tricycle	8 Months 6 Months	Product Realization and Commerciali zation
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DEPARTMENT OF BIOCHEMISTRY(PG)

S. No.	Name of the Faculty	Collaboration with whom	Name and Place of the Collaborative Institution	Title	Duration	Outcome
1.	Dr. J. Anitha	Dr. Bojjibabu Chidipi	Molecular Pharmacology and Physiology, Morsani College of Medicine, University of South Florida, Tampa, FL, 33612, USA	Molecular Pharmacology and Physiology, Morsani College of Medicine, University of South Florida, Tampa, FL, 33612, USA	1 year	Publication

DEPARTMENT OF MATHEMATICS(A)

S. No.	Name of the Faculty	Collaboration with whom	Name and Place of the Collaborative Institution	Title	Duration	Outcome
1.	Dr.N.Mohanapriya	Prof.Dr.D.Dafik	University of Jember, Indonesia	On r-Dynamic Coloring of Ladder Graph and Tadpole graph using m-Shadow operation	6 months November 2022	Under Review
2.	Dr.N.Mohanapriya	Dr.Ika Hesti Agustin	University of Jember, Indonesia	The Distance Irregular Reflexive k-Labeling of Graphs	6 months August 2022	Working
3.	Dr.N.Mohanapriya	Prof. Raúl M. Falcón	Department Applied Mathematics I, School of Architecture, Universidad de Sevilla, Spain	Optimal Shadow Allocations of Secret Sharing Schemes Arisen from the Dynamic Coloring of Extended Neighborhood Coronas	6 months June 2022	Published the paper

EVEN SEMESTER

S. No.	Name of the Faculty	Collaboration with whom	Name and Place of the Collaborative Institution	Title	Duration	Outcome
BIOCHEMISTRY (UG)						
1.	Dr. M. Santhoshkumar	Dr. S. Divakar	JSS Pharmacy College, ooty	"Side effects based network construction and drug repositioning of ropinirole as a potential molecule for Alzheimer's disease: An in-silico, in-vitro and in-vivo study",	Since April 2023 (1 year)	Research paper submitted to Journal
BOTANY						
2.	Dr. K. Sowndhararajan	Prof. Songmun Kim	Department of Biological Environment, Knagwon National University, Chuncheon, South Korea	Essential Oils	Since January 2019	Publications
3.	Dr. G. Dhandapani	Dr. Amit Roy	Head - Forest Molecular Entomology Lab, Faculty	RNAi and Functional	Since January,	

			of Forestry and Wood Sciences, Czech University of Life Sciences, Prague.	Genomics in Insects	2020	Publications
4.		Dr. K. Vasanth	Department of Botany, Bharathiar University, Coimbatore- 641 046, Tamil Nadu.	Plant Tissue Culture, Genetic Transformation and Molecular Biology	Since December, 2019	Publications
5.		Dr. K. P. Raghavendra	Senior Scientist (Biotechnology), Division of Crop Improvement, ICAR - Central Institute for Cotton Research (CICR), Nagpur 440010, Maharashtra.	RNAi in Insect and Pests	Since January, 2023	Project Proposals submitted collaboratively to the DST-SERB-CRG.
ZOOLOGY						
6.	Dr S Rajeshkumar	Dr J Selvaraj	Associate Professor, Department of Biochemistry, Saveetha Dental College and Hospital, Saveetha Institution of Medical and Technical Science, Saveetha University,	Adjunct Faculty in the Department of Biochemistry. Research and Development	Since September 2021	Research Publication, Students Internship and Journal Review paper work

			Chennai 600 077.			
7.	Dr.K. Kannan	Dr.E.Kssannapiran	Dept of Fisheries Science, Alagappa University	Taxonomy at Fishes	Since April 2022	3 Publication With impact factor
MATHEMATICS (A)						
8.	Dr.C.Ravichandran	Thongchai Botmart	Department of Mathematics, Faculty of Science, Khon Kaen University, Khon Kaen 40002, Thailand.	Existence, uniqueness and approximation of nonlocal fractional differential equation of sobolev type with impulses	25 September 2022 to 06 December 2022	Paper Publication
9.	Dr.C.Ravichandran	Kottakkaran Sooppy Nisar	Department of Mathematics, College of Arts and Sciences, Prince Sattam bin Abdulaziz University, Wadi Aldawaser 11991, Saudi Arabia.	Existence, uniqueness and approximation of nonlocal fractional differential equation of sobolev type with impulses	25 September 2022 to 06 December 2022	Paper Publication
10.	Dr.C.Ravichandran	K. Kaliraj and M. Manjula	Ramanujan Institute for Advanced Study in Mathematics, University of Madras, Chennai 600 005, Tamil Nadu, India.	Existence, uniqueness and approximation of nonlocal fractional	25 September 2022 to 06 December	Paper Publication

				differential equation of sobolev type with impulses	2022	
11.	Dr.C.Ravichandran	Ahmed Morsy and Kottakkaran Sooppy Nisar	Department of Mathematics, College of Arts and Sciences, Prince Sattam bin Abdulaziz University, Wadi Aldawaser 11991, Saudi Arabia.	Sequential fractional order Neutral functional Integro differential equations on time scales with Caputo fractional operator over Banach spaces	05 November 2022 to 27 December 2022	Paper Publication
12.	Dr.C.Ravichandran	Kottakkaran Sooppy Nisar	Department of Mathematics, College of Arts and Sciences, Prince Sattam bin Abdulaziz University, Wadi Aldawaser 11991, Saudi Arabia.	Existence results of Atangana-Baleanu fractional integro-differential inclusions of Sobolev type	2 October 2022 To 17 December 2022	Paper Publication

13.	Dr.C.Ravichandran	Panumart Sawangtong	Department of Mathematics, Faculty of Applied Science, King Mongkut's University of Technology North Bangkok, Bangkok 10800, Thailand	Existence results of Atangana-Baleanu fractional integro-differential inclusions of Sobolev type	2 October 2022 To 17 December 2022	Paper Publication
14.	Dr.C.Ravichandran	M. Sivashankar and S. Sabarinathan	Department of Mathematics, SRM Institute of Science & Technology, Kattankulthur 603 203, Tamil Nadu, India	Some properties and stability of Helmholtz model involved with nonlinear fractional difference equations and its relevance with quadcopter	March 2023	Paper Publication
15.	Dr.C.Ravichandran	Kottakkaran Sooppy Nisar	Department of Mathematics, College of Arts and Sciences, Prince Sattam bin Abdulaziz University, Wadi Aldawaser 11991, Saudi Arabia.	Some properties and stability of Helmholtz model involved with nonlinear fractional difference equations	March 2023	Paper Publication

				and its relevance with quadcopter		
16.	Dr.C.Ravichandran	B.V. Senthil Kumar	Department of Mathematics, Saveetha School of Engineering, Saveetha Institute of Medical and Technical Sciences, Chennai 602 105, Tamil Nadu, India	Some properties and stability of Helmholtz model involved with nonlinear fractional difference equations and its relevance with quadcopter	March 2023	Paper Publication
17.	Dr.C.Ravichandran	Kottakkaran Sooppy Nisar	Department of Mathematics, College of Arts and Sciences, Prince Sattam bin Abdulaziz University, Wadi Aldawaser 11991, Saudi Arabia.	High performance computational method for fractional model of solid tumour invasion	10 December 2022 to 2 March 2023	Paper Publication
18.	Dr.C.Ravichandran	P. Veeresha	Department of Mathematics, CHRIST (Deemed to be University), Bengaluru 560029, India	High performance computational method for fractional model of solid tumour invasion	10 December 2022 to 2 March 2023	Paper Publication
19.	Dr.C.Ravichandran	Panumart Sawangtong	Department of Mathematics Faculty of Applied Science and Research Group for Fractional Calculus Theory and Applications	Fractional Order Geminivirus Impression In	February 6, 2022 to April 15, 2023	Paper Publication

			Science and Technology Research Institute King Mongkut's University of Technology North Bangkok Bangkok 10800, Thailand	Capsicum Annuum Model With Mittag-Leffler Kernel		
20.	Dr.C.Ravichandran	Kottakkaran Sooppy Nisar	Department of Mathematics College of Science and Humanities in Alkharj Prince Sattam Bin Abdulaziz University Alkharj 11942, Saudi Arabia School of Technology, Woxsen University Hyderabad 502345, Telangana, India	Fractional Order Geminivirus Impression In Capsicum Annuum Model With Mittag-Leffler Kernel	February 6, 2022 to April 15, 2023	Paper Publication
21.	Dr.S.P.R.Priyalatha	T. Witczak	Institute of Mathematics, University of Silesia, Bankowa 14, Katowice, Poland.	On Nano Soft s (I)-Continuous Functions	6 Months	Paper Publication
22.	Dr.L.Vidyarani	Tomasz Witczak	Institute of Mathematics, University of Silesia, Bankowa 14, Katowice, Poland.	Binary Minimal Structures Standard and Cross	June 2023 6 Months (ongoing)	Paper Publication
23.				Picture Topological Space	June 2023	Paper Publication

					6 Months (ongoing)	
24.	Dr.N.Mohanapriya	Ika Hesti Agustin	PUI-PT Combinatorics & Graph, CGANT University of Jember, Jember, Indonesia.	The reflexive vertex strength on cycle and generalized friendship graph	Aug 2022 1 Year Published paper	Paper Publication
25.	Dr.N.Mohanapriya	M. Imam Utoyo	Department of Mathematics, Airlangga University, Surabaya, Indonesia	The reflexive vertex strength on cycle and generalized friendship graph	Aug 2022 1 Year Published paper	Paper Publication
26.	Dr.N.Mohanapriya	D.Dafik	Department of Mathematics Education, University of Jember, Jember, Indonesia	The reflexive vertex strength on cycle and generalized friendship graph	Aug 2022 1 Year Published paper	Paper Publication
27.	Dr.N.Mohanapriya	Slamin	Department of Informatics, University of Jember, Jember, Indonesia	The reflexive vertex strength on cycle and generalized friendship graph	Aug 2022 1 Year Published paper	Paper Publication
28.	Dr.N.Mohanapriya	D.Dafik	Department of Mathematics Education,	On Rainbow Antimagic Coloring	July 2023	Paper Publication

			University of Jember, Jember, Indonesia	of Various Graphs	3 months (ongoing)	
29.	Dr.N.Mohanapriya	Raul M Falcon	Associate Professor, University of Seville, School of Architecture and Building Engineering	Optimal secret share distribution in degree splitting communication networks	September 2023 1 Year	Paper Publication
BIOCHEMISTRY (PG)						
30.	Dr. J. Anitha	Dr.Thathan Premkumar	Department of Chemistry and The University College, Sungkyunkwan University, Suwon,	Facile green synthesis of nano-sized ZnO using leaf extract of Morinda tinctoria: MCF-7 cell cycle arrest, antiproliferation, and apoptosis studies	June 2021 2 years	Publication and Patent
31.	Dr. J. Anitha	Dr. Bojjibabu Chidipi	Molecular Pharmacology and Physiology, Morsani College of Medicine, University of South Florida, Tampa, FL,33612, USA	Venomous Peptides as Cardiac Ion Channel's Modulators	June 2021 2 years	Publication
BIOTECHNOLOGY						

32.	Dr B Vishnupriya	MrVenkat	NCBS Bangalore	Self-weight based Tricycl e	6 months	Product development
33.	Dr B Vishnupriya	Dr V Agalya	New Horizon Engineering College, Bangalore	Fibre to Sugar-free jelly	2 years	Product development and commercialization
CHEMISTRY (PG)						
34.	Dr. K. Kalpanadevi	Prof. K. Pandian,	Department of Inorganic Chemistry, University of Madras, Guindy campus, Chennai	Nano Materials	May 2021	Paper Publication
35.	Dr. A. Amuthavalli	Dr. P. Shanmugavelan	School of Science, Tamil Nadu Open University, Saidapet, Chennai.	Synthetic Organic Chemistry	June 2021	Paper Publication
36.	Dr.A. Pushpaveni	Dr. S. Packiaraj	Science and Humanities (Chemistry), Sri Krishna College of Engineering and Technology, Coimbatore 641 008, India	Solid State and Coordination Chemistry	June 2022	Paper Publication
37.	Dr. G. Vadivelan	Dr. G. Gohulavani	Ethiraj College for Women Chennai-6000008	Crystal Growth	June 2022	Paper Publication

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