



KONGUNADU ARTS AND SCIENCE COLLEGE
(Autonomous)
Coimbatore - 641 029
Collaborative Research Work

Academic Year 2020-2021

S. No	Name and Designation of the Faculty	Name of Collaborator	Name and Place of the Collaborative Institution	Joint Research work/Title of the Research Article Published	Duration
1.	Dr. K. Sowndhararajan Assistant Professor Department of Botany	Dr. Rameshkumar Santhanam	Faculty of Science and Environment, University Malaysia, Terengganu, Malaysia	Bioactive metabolites	2 years (2019 - 2021)
2.	Dr. G. Dhandapani Assistant Professor Department of Botany	Prof. Subba Reddy Palli	Department of Entomology, University of Kentucky, Lexington, USA	RNA interference in insects	1 year
3.	Dr. G. Dhandapani Assistant Professor Department of Botany	Dr. K. Vasanth	Department of Botany, Bharathiar University, Coimbatore	Plant Tissue Culture	1 year
4.	Dr.M.Vigneshwaran Assistant Professor Department of Mathematics	Dr.Shuker Mohammed Khalil	Department of Mathematics College of Science University of Barash, Barash, Iraq	On $*g\alpha$ -continuity in Neutrosphic topological spaces	6 Months
5.	Dr.S.P.R.Priyalatha Assistant Professor Department of	Dr.Wadei. F. Al-Omeri	Mathematics Department, Faculty Of Science Al-Balqa Applied	Multi Granulation On Nano Soft Topological Space	6 Months

	Mathematics		University Salt 19117, Jordan.		
6.	Dr.C. Ravichandran Assistant Professor Department of Mathematics	Dr.Sumati Kumari Panda	Department of Mathematics, GMR Institute of Technology, Rajam, 532 127, Andhra Pradesh, India	Results on system of Atangana–Baleanu fractional order Willis aneurysm and nonlinear singularly perturbed boundary value problems	7 Months
7.	Dr.C. Ravichandran Assistant Professor Department of Mathematics	Dr.Nisar KS, Dr.Gupta V, Dr.Fahd Jarad	Department of Mathematics, College of Arts and Sciences, Prince Sattam bin Abdulaziz University, Wadi Aldawaser, 11991, Saudi Arabia Department of Mathematics, Chandigarh University, Chandigarh, India Department of Mathematics, Çankaya University, Ankara, Turkey	Existence and uniqueness of solutions for fractional nonlinear hybrid impulsive system	7 Months
8.	Dr.C. Ravichandran Assistant Professor Department of Mathematics	Dr.Nisar KS	Department of Mathematics, College of Arts and Sciences, Prince Sattam bin Abdulaziz University, Wadi Aldawaser, 11991, Saudi Arabia	Mathematical model for spreading of COVID19 virus with the Mittag–Leffler kernel	9 Months
9.	Dr.C. Ravichandran Assistant Professor Department of Mathematics	Dr.Kottakkaran Soopy Nisar, Dr.Behzad Ghanbari	Department of Mathematics, College of Arts and Sciences, Prince Sattam bin Abdulaziz University, Wadi Aldawaser, 11991, Saudi Arabia	Existence of solutions for some functional integrodifferential equations with nonlocal conditions	6 Months

			Department of Engineering Science, Kermanshah University of Technology, Kermanshah, Iran		
10.	Dr.C. Ravichandran Assistant Professor Department of Mathematics	Ashish Kumar, Harsh Vardhan Singh Chauhan, Kottakkaran Sooppy Nisar, Dimitru Baleanu	Department of Mathematics, Government PG College, Bina, Sagar 470113, Madhya Pradesh, India. Department of Mathematics, University of Delhi, Delhi 110007, India. Department of Mathematics, College of Arts and Sciences, Prince Sattam bin Abdulaziz University, Wadi Aldawaser, 11991, Saudi Arabia Department of Mathematics, Cankaya University, Ankara, Turkey	Existence of solutions of non-autonomous fractional differential equations with integral impulse condition	7 Months
11.	Dr.M.Venkatachalam	Dr. Raul M. Falcon	Department of Applied Mathematics I. Universidad	On the r-dynamic coloring of the direct product of a path	7 Months

	Assistant Professor Department of Mathematics		de Sevilla, Spain	with either a complete graph or a wheel graph On the r-dynamic coloring of the direct product of a path with either a path or a cycle On the r-dynamic coloring of subdivision-edge coronas of a path	
12.	Dr.M.Venkatachalam Assistant Professor Department of Mathematics	Dr. Dafik	Combinatorics Graph Theory and Network Topology (CGANT) research group University of Jember Indonesia	On Irregular Coloring of Some Generalised Graphs Packing Coloring On Subdivision-Vertex And Subdivision-Edge Join Of Cycle C_m With Path P_n On B-Chromatic Number Of Theta Graph Families Edge irregular reflexive labeling of some tree graphs Equitable Coloring Of Derived Graph Of Graphs Equitable Coloring of Jump Graph of Graphs On r-Dynamic Coloring of the Family of Tadpole	I year

				<p>Graphs</p> <p>The Construction Of Block Cipher Encryption Key By Using A Local Super Antimagic Total Face Coloring</p> <p>On the Construction of the Reflexive Vertex k-Labeling of Any Graph with Pendant Vertex</p> <p>Packing Coloring Of Some Product Of Complete Graphs</p> <p>The local edge metric dimension of graph</p>	
13.	Dr.G. Anbarasi Assistant Professor Department of Biotechnology	M.P. Arulmoorthy	CAS , Marine Biology, Centre of Marine Sciences, Annamalai University	Biosynthesis and characterization of chitosan based hydrogel: A potential in vitro wound healing agent	6months
14.	Dr.S R Madhan Shankar Dean Academics &	Jayasree Vaidhyanathan	Scientist, National Institute of Advanced Studies, IISc Campus,	Water Management issues and solutions for Kuttandu Region	1 year

	Assistant Professor Department of Biotechnology		Bengaluru	Alleppey District Kerala	
15.	Dr.S R Madhan Shankar Dean Academics & Assistant Professor Department of Biotechnology	Jemmy Christy	Center for Marine Biotechnology, Satyabhama Institute, Chennai	Molecular Docking of selected secondary metabolites from plants for Covid-19 capsid proteins	6 months
16.	Dr. Narendhirakannan R.T Assistant Professor Department of Biochemistry	Dr. Sinouvassane Djearamane,	Department of Biomedical Science, Faculty of Science, Universiti Tunku Abdul Rahman, Kampar, Malaysia	Effects of Chemically and Biologically Synthesized Zinc Oxide Nanoparticles on Human Skin Dermal Cells and Cancer Cells	Dec 2020- Dec2021