

KONGUNADU ARTS AND SCIENCE COLLEGE

(Autonomous)

Coimbatore -641 029

Collaborations 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 Mathematics	Dr.Wadei. F. Al-Omeri	Mathematics Department, Faculty Of Science Al-Balqa Applied University Salt 19117, Jordan.	Multi Granulation On Nano Soft Topological Space	6 Months
6.	Dr.C. Ravichandran	Dr.Sumati	Department of Mathematics,	Results on system of	7 Months

	Assistant Professor Department of Mathematics	Kumari Panda	GMR Institute of Technology, Rajam, 532 127, Andhra Pradesh, India	Atangana–Baleanu fractional order Willis aneurysm and nonlinear singularly perturbed boundary value problems	
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 Sooppy Nisar, Dr.Behzad Ghanbari	Department of Mathematics, College of Arts and Sciences, Prince Sattam bin Abdulaziz University, Wadi Aldawaser, 11991, Saudi Arabia Department of Engineering Science, Kermanshah University of Technology, Kermanshah,	Existence of solutions for some functional integrodifferential equations with nonlocal conditions	6 Months

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10.	Dr.C. Ravichandran Assistant Professor Department of Mathematics	Ashish Kumar, Harsh Vardhan Singh Chauhan, Kottakkaran Sooppy Nisar, Dumitru Baleanu	<p>Department of Mathematics, Government PG College, Bina, Sagar 470113, Madhya Pradesh, India.</p> <p>Department of Mathematics, University of Delhi, Delhi 110007, India.</p> <p>Department of Mathematics, College of Arts and Sciences, Prince Sattam bin Abdulaziz University, Wadi Aldawaser, 11991, Saudi Arabia</p> <p>Department of Mathematics, Cankaya University, Ankara, Turkey</p>	Existence of solutions of non-autonomous fractional differential equations with integral impulse condition	7 Months
11.	Dr.M.Venkatachalam Assistant Professor Department of Mathematics	Dr. Raul M. Falcon	Department of Applied Mathematics I. Universidad de Sevilla, Spain	<p>On the r-dynamic coloring of the direct product of a path with either a complete graph or a wheel graph</p> <p>On the r-dynamic coloring of the direct product of a path with either a path or a cycle</p> <p>On the r-dynamic coloring of</p>	7 Months

				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	<p>On Irregular Coloring of Some Generalised Graphs Packing Coloring</p> <p>On Subdivision-Vertex And Subdivision-Edge Join Of Cycle C_m With Path P_n</p> <p>On B-Chromatic Number Of Theta Graph Families</p> <p>Edge irregular reflexive labeling of some tree graphs</p> <p>Equitable Coloring Of Derived Graph Of Graphs</p> <p>Equitable Coloring of Jump Graph of Graphs</p> <p>On r-Dynamic Coloring of the Family of Tadpole 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</p>	I year

				<p>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 & Assistant Professor Department of Biotechnology	Jayasree Vaidhyanathan	Scientist, National Institute of Advanced Studies, IISc Campus, Bengaluru	Water Management issues and solutions for Kuttandu Region Alleppey District Kerala	1 year
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
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