



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

Academic Year Up to 2016-2017

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. R. Devi Department of Mathematics	H. Maki	Saga University, Japan	More on $g\#a$ - open sets in digital planes	2009
2	Dr. R. Devi Department of Mathematics	H. Maki	Saga University, Japan	Group structure of $\#g\alpha$ - closed sets in topological spaces	2009
3	Dr. N. Nithyadevi Department of Mathematics	Dr. H F Oztop, Associate Professor, Department of Mechanical Engineering	Firat University, Turkey.	Natural convection in a Rectangular Cavity	2009
4	Dr. N. Nithyadevi Department of Mathematics	Dr. M. Bhuvaneshwar, Post Doctoral Fellow, Department of Mechanical Engineering	National Cheng Kung University, Tainan, Taiwan 70101, ROC	Combined Radiation and Natural Convection in a Rectangular Cavity.	2009
5	Dr. R. Sathyamoorthy Department of Physics	Prof. Young Joo Kang Professor & Head	Dept. of Chemical Engineering Hanyan University, South Korea.	Dye Sensitized Solar Cells (DSSCS'S) Based on Nanostructures	2009

6	Dr. S. Paulsamy Department of Botany	Dr. Bong-Seop Kill	Division of Life Science , Wonkwang University, Iskan-570-749, Korea	Status of the red listed Plant Species, <i>Smilax Weightii</i> A. DC. in Nilgiri Biosphere Reserve, the Western Ghats, India	2009
7	Dr. V. Balasubramaniam Department of Botany	Steven G New Master and Subramanyam Ragupathy	Guelph University, Canada	DNA barcoding discriminates a new cryptic grass species revealed in an ethnobotany study by the hill tribes of the Western ghats in southern India.	2010
8	Dr. V. Balasubramaniam & Dr. N. Nagarajan Department of Botany	Steven G New Master and Subramanyam Ragupathy	Guelph University, Canada	Ethnobotany genomics study reveals three new species of the genus <i>Biophytum</i> DC. (<i>Oxalidaceae Geraniale</i>) from Velliangiri hills in the Nilgiri Biosphere Reserve Western Ghats India.	2010
9	Dr. K. Arumugasamy Department of Botany	Gayathri. R	Department of Molecular Biotechnology, Washington University, Washington DC	Effect of Hemodialysis on circulating Cystatin C levels in patients with End stage renal disease	2012
10	Dr. G. Vivekanandhan Department of Biotechnology	Dr. Jon Hobman	Dept. of Food Sciences, School of Biosciences, University of Nottingham, UK	Silver and Copper Resistance in <i>E. Coli</i> strains	2010

11	Dr. R. Subashkumar Department of Biotechnology	Dr. Leclère, Valérie Dr. Philippe Jacques	ProBioGEM Université Lille Nord de France, USTL, F59655 Villeneuve d'Ascq, France.	Synthesis of amonabactins by <i>Aeromonas hydrophila</i> :implication of NRPS of a unique iterate- alternative type	2012
12	Dr. R. Thirgnanasampan - dan Department of Biotechnology	Dr. R. Jayakumar Department of Molecular Medicine	Faculty of Medicine, University of Malaya, 50603, Kuala Lumpur, Malaysia	Analysis of chemical composition & bioactive property evaluation of Indian propolis	2012
13	Dr.R.Thirgnanasampan - dan Department of Biotechnology	Dr. R. Jayakumar Department of Molecular Medicine	Faculty of Medicine, University of Malaya, 50603, Kuala Lumpur, Malaysia	Analysis of chemical composition and evaluation of antigenotoxic, cytotoxic & antioxidant activities of essential oil of <i>Toddalia asiatica</i> (L.) Lam.	2012
14	Dr. R. Devi Department of Mathematics	(i) Dr. M. Caldas (ii) Dr. S. Jafari (iii) Dr. M. R. Ahmadi Zand	(a) Universidade Federal Fluminense, BRASIL (b) College of Vestsjaelland Syd, Herrestraede 11, 4200 Slagelse, Denmark (c) Yazd University Yazd, Iran	More on g-open sets and new class of functions	2010
16	Dr. R. Devi Department of Mathematics	Young Key Kim	Department of Mathematics Myongji University, Kyunggi 449-728, Republic of Korea	The α - closure and the α -kernel via α - open sets	2009
17	Dr. R. Devi Department of Mathematics	M.S. Sarsak	Department of Mathematics, Hashemite University, Zarqa, Jordan.	New separation axioms via g tilde-p- open sets	2010
18	Dr. R. Devi Department of Mathematics	Young Key Kim	Department of Mathematics Myongji University, Kyunggi 449-728, Republic of Korea	Applications of G tilde α - closed sets	2011

19	Dr. K. Arumugasamy Department of Botany	C. V. Anand & Usha Anand	Department of Nephrology, PSG Institute of Medical Science and Research, Coimbatore.	Diagnosis of chronic renal disease by measurement of serum creatinine and serum cystatin C-a comparative study.	1 year
20	Dr. K. Arumugasamy Department of Botany	Krishnamurthy. N	Sathyabama University, Chennai.	Serum Cystatin C as a sensitive marker of GFR in elderly patients with chronic kidney disease.	1 year
21	Dr. K. Arumugasamy Department of Botany	V. Aruna & G. Vena	PSG Institute of Medical Science and Research, Coimbatore.	Serum Cystatin C levels in renal Transplant Recipients.	1 year
22	Dr. V. Balasubramaniam & Dr.K.Arumugasamy Department of Botany	Dr. M. Murugesan	The Salim Ali Centre for Ornithology and Natural History	Notes on the occurrence and new distributional records of some little known rare and endemic grasses from Velliangiri hills: A part of Nilgiri Biosphere Reserve, India.	1 year
23	Dr. V. Balasubramaniam Department of Botany	Dr. M. Murugesan	The Salim Ali Centre for Ornithology and Natural History	A checklist of endangered, rare and threatened plants in Velliangiri Hills, Tamilnadu, India with special reference to peninsular Indian endemic plants.	1 year

24	Dr. V. Balasubramaniam Department of Botany	Dr. M. Murugesan	The Salim Ali Centre for Ornithology and Natural History	Relocation and extended distribution of some little known endangered plants from Velliangiri hills, the Western Ghats of Coimbatore Dt, TN.	1 year
25	Dr. V. Balasubramaniam Department of Botany	Dr. M. Murugesan	The Salim Ali Centre for Ornithology and Natural History	Additions to the flora of Tamilnadu with special reference to rare, endemic, Red listed and endangered plants from Velliangiri hills a part of Nilgiri Biosphere Reserve, India.	1 year
26	Dr. V. Balasubramaniam Department of Botany	Dr. M. Murugesan	The Salim Ali Centre for Ornithology and Natural History	Occurrence of some rare, endangered & red listed endemic plants in Velliangiri Hills: A part of Nilgiri Biosphere Reserve India.	1 year
27	Dr. V. Balasubramaniam Department of Botany	Dr. M. Murugesan	The Salim Ali Centre for Ornithology and Natural History	Occurrence of two neo endemic species from Velliangiri Hills - An addition to the flora of Tamilnadu.	1 year
28	Dr. V. Balasubramaniam Department of Botany	Dr. M. Murugesan	The Salim Ali Centre for Ornithology and Natural History	A new species of <i>Sonerila</i> (<i>Melastomataceae</i>) from the Western Ghats, India.	1 year

29	Dr. V. Balasubramaniam Department of Botany	Dr. M. Murugesan	The Salim Ali Centre for Ornithology and Natural History	Additions to the flora of Tamilnadu with special reference to rare, endemic, Redlisted and endangered plants from Velliangiri hills a part of Nilgiri Biosphere Reserve, India.	1 year
30	Dr. Balasubramaniam and Dr. N. Nagarajan Department of Botany	Dr. M. Murugesan	The Salim Ali Centre for Ornithology and Natural History	Description of two new species of the genus <i>Fimbristylis</i> var. 1 (<i>Cyperaceae</i>) from Velliangiri hills Nilgiri Biosphere Reserve, India.	1 year
31	Dr. Balasubramaniam and Dr. N. Nagarajan Department of Botany	Dr. M. Murugesan	The Salim Ali Centre for Ornithology and Natural History	Ethanomedicinal diversity of Malasars in Velliangiri hills Western Ghats, TN.	1 year
32	Dr. Balasubramaniam and Dr. N. Nagarajan Department of Botany	Dr. M. Murugesan	The Salim Ali Centre for Ornithology and Natural History	Systematic studies on some little known endemic <i>Impatiens</i> L. from Velliangiri hills, apart from Nilgiris Biosphere Reserve, India.	1 year
33	Dr. S. Krishnakumari Department of Biochemistry	Mr. V. Krishnan	Vijaya Mushrooms, Coimbatore	Spawn Production and Mushroom Cultivation Technology	12 months
34	Dr. S. Krishnakumari Department of Biochemistry	Mr. Chandrasekar	Sivasakthi Mushrooms, Erode	Spawn Production and Mushroom Cultivation	12 months

				Technology	
35	Dr. R. Subashkumar Department of Biotechnology	Dr. C. Viswanathan Assistant Professor	Department of Nanoscience and Technology, Bharathiar University, Coimbatore.	Synthesis and characterization of hydroxyapatite (Hap) by <i>Serratia marcescens</i> MTCC 4822 and its efficiency on human bone implantation	2011-2014
36	Dr. B. Lakshman Kumar Department of Biotechnology	Dr.M.Anandan	Department of Urology,PSG Institute of Medical Sciences and Research, PSGIMSR	Molecular analysis of Matrix Gla Protein(MGP) gene in nephrolithiasis patients for early diagnosis	6 months (November 2013-may 2014)
37	Dr. V. Bhuvaneshwari Department of Biotechnology	Prof. Prabhir Kumar Paul	Amity Institute of Biotechnology, Amity University Uttar Pradesh, Sector-125, NOIDA.	-	-
38	Dr.R.Thirugnanasampanda n Department of Biotechnology	Dr.R.Jayakumar	Department of Molecular Medicine, University of Malaya, Malaysia	Bioactive studies of certain essential oil	-
39	Dr.B.Lakshman Kumar Department of Biotechnology	Dr.M.Anandan Associate Professor,Departmen t of Urology	PSG Institute of Medical Sciences and research(PSGIMSR),Peelamedu,Coimbatore	Molecular analysis of MGP gene in nephrolithiasis patients for effective prognosis	One year
40	Dr.V.Bhuvaneshwari Department of Biotechnology	Prof. Prabhir Kumar Paul	Amity University Uttar Pradesh, Sector-125, NOIDA.	-	-
41	Dr.P. Kathireswari Department of Zoology	Dr. K. Saminathan	KSR College of Tehnology, Tiruchengode	-	-
42	Dr. S. Raja Department of Zoology	Dr. P.Shanmuganatha	GALAXY BIOLABS, Chennai.	Aquatics Research	5 years

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43	Dr.P. Kathireswari Department of Zoology	Dr. K. Saminathan	KSR College of Tehnology, Tiruchengode	-	-
44	Dr. S. Raja Department of Zoology	Dr. P.Shanmuganantha m	GALAXY BIOLABS, Chennai.	Aquatic Research	5 years
45	Dr.R.Thirugnanasampanda n Department of Biotechnology	Dr.R.Jayakumar	Department of Molecular Medicine, University of Malaya, Malaysia	Bioactive studies of certain essential oil	One year
46	Dr.B.Lakshman Kumar Department of Biotechnology	Dr.M.Anandan, Associate Professor, Department of Urology	PSG Institute of Medical Sciences and research(PSGIMSR), Peelamedu,Coimbat	Molecular analysis of MGP gene in Nephrolithiasis patients for effective prognosis	1 year
47	Dr.V.Bhuvaneshwari Department of Biotechnology	Prof. Prabhir Kumar Paul	Amity Institute of Biotechnology, Amity University Uttar Pradesh, Sector-125, NOIDA.	-	-
48	Dr. S. Raja Department of Zoology	Dr. P. Shanmuganantham	GALAXY BIOLABS, Chennai.	Aquatics Research	5 years
49	Dr. R. Thirugnanasampandan Department of Biotechnology	Dr. M. S. Kanthimathi and Dr. R. Jayakumar	Department of Molecular Medicine, University of Malaya, Malaysia	Natural Products	1 year
50	Dr. B. Lakshman Kumar Department of Biotechnology	Dr. M. Anandan, Associate Professor, Department of Urology	PSG Institute of Medical Sciences and research(PSGIMSR), Peelamedu, Coimbatore	Molecular analysis of MGP gene in nephrolithiasis patients for effective prognosis	1 year
51	Dr. S. Raja Department of Zoology	Ramesh Sivanpillai PhD, GISP Senior Research Scientist	Dept of Botany WyGISC University of Wyoming Laramie, WY 82071	Human elephant conflict	-
52	Dr. V. Bhuvaneshwari	Prof.P.K.Paul	Amity Institute of Biotechnology, Amity	-	-

	Department of Biotechnology.		University Uttar Pradesh, NOIDA		
53	Dr. M. Kalaiselvi Department of Biochemistry	Dr.K. Devaki	Department of Biochemistry, Karpagam University, Coimbatore	-	-
54	Secretary and Director, Kongunadu Arts and Science College	KAYTEE Corporation, Tirupur	Managing Director KAYTEE Corporation	-	-
55	Secretary and Director, Kongunadu Arts and Science College	ABC garments, Tirupur	Managing Director ABC garments	-	-
56	Dr.R.Sathyamoorthy Dr.P.Matheswaran Department of Physics	Dr.D.Kanjilal Dr.K.Asokan	Inter University Accelerator Centre, New Delhi	Phase change memory properties of SHI irradiated metal chalcogenide thin films	2015-2018
57	Dr.K.Saravanakumar Department of Chemistry	Dr.V.Ganesan	UGC-DAE, CSR, Indore	Multiferroic behavior of co-doped BiFeO ₃ thin films (Ba, (Ni & Ti))	2014-2017
58	Dr. S. Raja Department of Zoology	Ramesh Sivanpillai PhD, GISP Senior Research Scientist	Dept of Botany WyGISC University of Wyoming Laramie, WY 82071	Human elephant conflict	-
59	Dr. R. Subashkumar Department of Biotechnology	Dr. Viswanathan	Bharathiar University, Coimbatore	Nanoparticle synthesis	5 yrs
60	Dr. R.Thirugnanasampandan Department of Biotechnology	Prof. MS. Kanthimathi	University of Malays, School of Molecular Medicine, Malaysia	Cancer Biology	-
61	Dr. V. Bhuvaneshwari Department of Biotechnology	Prof. P.K.Paul	Amity Institute of Biotechnology, Amity University Uttar Pradesh, NOIDA	Systemic Acquired Resistance in plants	2013-2016

62	Dr. R. Thirugnanasampandan Department of Biotechnology	Dr. P.S. Mohan	Department of Chemistry, Bharathiar University, Coimbatore-046	Phytochemistry and pharmacology	2014-2016
63	Dr. R. Subashkumar Department of Biotechnology	Dr. Valerie Leclère	Univ Lille Nord Europe, Univ Lille, CNRS, Centrale Lille, UMR9189 - CRISTAL- Centre de Recherche en Informatique Signal et Automatique de Lille, F-59000 Lille, France.	Nonribosomal peptide synthetase - amonabactin synthesis in Aeromonas.	2013-2017
64	Dr. R. Subashkumar Department of Biotechnology	Dr. Aly Savadogo	Laboratoire de Biochimie et Biologie Moléculaire Centre de Recherche en Sciences Biologiques, Alimentaires et Nutritionnelles (CRSBAN) UFR-SVT; UNIVERSITE DE OUAGADOUGOU 03 BP 7021 Ouagadougou 03 BURKINA FASO	Epidemiological aspects of water-and foodborne infectious bacteria and viruses	2016-2017
65	Dr. R. Subashkumar Department of Biotechnology	Dr. M.C. Harish	Assistant Professor, Dept of Biotechnology, Thiruvalluvar University, Vellore	Waterborne pathogen and its efficiency to produce hydroxyappetite	2 years
66	Dr.R.Thirugnanasampandan Department of Biotechnology	Dr. P.S.Mohan	Head, Department of Chemistry, Bharathiar University, Coimbatore	Phytochemistry and Pharmacology	6 months
67	Dr.K.Murugesan, HoD of Tamil	Dr.G.M. Kovai Mani, HoD of Palmleaf	Tamil University, Tanjore, Tamil Nadu.	Joint Research Work - Two Day Workshop Conducted for Palmleaf	5 Years
68	Dr.Revathi Bala HoD - Commerce(PA) & PG	CA Baskar President, Auditor's Association of	Auditor's Association of Southern India, Coimbatore	To Conduct Job oriented course on Tally	2018

		Southern India, Coimbatore			
69	Dr.Revathi Bala HoD - Commerce(PA) & PG	CA.P.Jayakumar President, Institute of Coimbatore Accountant and Tax Practitioners Association, Coimbatore	Institute of Coimbatore Accountant and Tax Practitioners Association, Coimbatore	To Conduct Job oriented course on Tally	2018
70	Dr.S.Raja, Asst.Professor,	Dept of Zoology(Aided) & Eco Club Coordinator T.Rajasekar, Managing Director,	Alpha Pegasus Labtech Solution, Coimbatore Alpha Pegasus Labtech Solution, Coimbatore	Eco-friendly Evaluation and product development	2018
71	Dr.S.Binukumari, Asst.Professor,	Dept of Zoology(Aided) Anne Alexander, Director - International Programs, University of Wyoming	University of Wyoming	Development of Academic & Cultural interchange	2014
72	Dr.S.Binukumari, Asst.Professor, Dept of Zoology(Aided)	Dr.Vijayakarhikeya n Managing Director, Coimbatore Smart City Ltd	Coimbatore Smart City Ltd	Lake Restoration & Rejuvenation Project	2018
73	Dr. C. Ravichandran, Department of Mathematics	Juan J. Nieto	Instituto de Matemáticas, Facultade de Matemáticas, Universidade de Santiago de Compostela, Santiago de Compostela 15782, Spain	New results on exact controllability of a class of fractional neutral integro- differential systems with state-dependent delay in Banach spaces	October 2017-Feb 2019
74	Dr.M. Venkatachalam,	Dr. Johan Kok	Tshwane Metropolitan Police Department	On dynamic coloring	January

	Department of Mathematics		City of Tshwane, Republic of South Africa	of certain cycle-related graphs	2017 to December 2018
75	Dr.M. Venkatachalam, Department of Mathematics	Dr. Johan Kok	Tshwane Metropolitan Police Department City of Tshwane, Republic of South Africa	On dynamic coloring of certain cycle-related graphs	January 2017 to December 2018
76	Dr.M. Venkatachalam, Department of Mathematics	Prof. Dr. Ismail Naci Cangul	Uludag University, Turkey	r-Dynamic Coloring	January 2018 onwards
77	Dr. V. Bhuvaneshwari and Dr. R. Amsaveni, Department of Biotechnology	Dr. Vandana	University of Delhi	Water purification	Two years
78	Dr. V. Bhuvaneshwari and Dr. R. Amsaveni, Department of Biotechnology	Dr. Senthilarasu	University of Exeter	Water purification	Two years
79	Dr. Bharathi D, Department of Zoology	Pugazhendhi A	Faculty of Environment and Labour Safety, Ton Duc Thang University, Ho Chi Minh City, Vietnam	Biogenesis of Copper Oxide nanoparticles (CuONPs) using <i>Sida acuta</i> and their incorporation over cotton fabrics to prevent the pathogenicity of Gram negative and Gram positive bacteria	One year
80	Dr. M. Gogul Ramnath, Department of Biotechnology	Mr. Naga Sundaram	Centre for Nanoscience and Nanotechnology, Sathyabama University, Chennai 600119	Molecular docking and dynamic simulation studies of terpenoids of <i>Isodon wightii</i> (Benth) H. Hara against	One year

				acetylcholinesterase and histone deacetylase3 receptors.	
81	Dr. M. Gogul Ramnath, Department of Biotechnology	Dr. P.S. Mohan and Dr. S. Mathusalini	Department of Biotechnology, Bharathiar University, Coimbatore	2016-2019	3 Years
82	Dr. M. Gogul Ramnath, Department of Biotechnology	Dr. N. Nagasundaram	Sathyabama University, Chennai	2016-2019	3 Years