



Nallamuthu Gounder Mahalingam College

(An Autonomous Institution, Affiliated to Bharathiar University)

90, Palghat Road, Pollachi - 642001, Coimbatore, Tamil Nadu, India.

95th Rank in NIRF – 2023 - Among Colleges in India.



CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.7.1 : COLLABRATIVE RESEARCH DURING 2022-2023

COLLABRATIVE RESEARCH DURING 2022-2023							
Title of paper	Name of the author/s	Name of the Institutions/ Corporates	Department of the teacher	Name of journal	Year of publication	ISSN number	
OSCILLATION OF EVEN-ORDER NONLINEAR DIFFERENCE EQUATIONS WITH AN ADVANCED ARGUMENT	S. R. Grace and S. Kaleeswari	*Department of Engineering Mathematics Faculty of Engineering, Cairo University, Orman, Giza 12221, Egypt. ** Department of Mathematics Nallamuthu Gounder Mahalingam College, Pollachi-642 001, Coimbatore District, Tamil Nadu, India	Mathematics	Dynamics of Continuous, Discrete and Impulsive Systems Series A: Mathematical Analysis 30 (2023) 243-251 Copyright ©2023 Watam Press	2023	1201-3390	view
Entrepreneurship awareness and attitude among the College students: An empirical study	Dr. T. S. Kavitha & Dr. C. Hariharan	*Associate Professor in Commerce, Nallamuthu Gounder Mahalingam College, Pollachi, Coimbatore Dist, Tamilnadu. **Assistant Professor, Department of Management Studies, Nehru Institute of Technology, Coimbatore, Tamilnad	Commerce	The Ciência & Engenharia - Science & Engineering Journal (SEJ)	2023	0103-944X	View

Factors Affecting Entrepreneurial Intention Of Students: An Empirical Study Of Coimbatore District	Dr.T.S.KAVITHA & Mr. A. Vijayakumar	*Associate Professor in Commerce, Nallamuthu Gounder Mahalingam College, Pollachi, Coimbatore Dist, Tamilnadu **Assistant Professor, School of Commerce, Nehru Arts and Science College, Coimbatore District, Tamilnadu.	Commerce	International Journal of Research and Analytical Reviews	2023	2348-1269	View
A Quantum Chemical and Nonlinear Optical Investigation on L-Tryptophan Hydrochloride Single Crystals for Optoelectronic Device Applications	A. Mohamed Ibrahim, S. Arunachalam, , J. Suryakanth , M. Velayutham Pillai	*Assistant Professor, Department of Chemistry, Hindusthan college of Engineering and Technology, Coimbatore **Assistant Professor, Department of Electrochemistry Saveetha School of Engineering, Saveetha Institute of Medical and Technical Sciences, Chennai *** Assistant Professor, Department of Physics, KPR Institute of Engineering and Technology, Coimbatore ****Assistant Professor in Chemistry, Nallamuthu Gounder Mahalingam College, Pollachi, Coimbatore Dist, Tamilnadu	Chemistry	International Research Journal of Multidisciplinary Technovation	2023	2582-1040	View
Phytoconstituents from the leaves of Ageratina adenophora (Sprengel) and their pharmacological activities	M. Karthigaipriya & K.Poonkodi	* Assistant Professor Department of Chemistry, Karpagam College of Engineering, Mayileripalayam, Coimbatore. **Assistant Professor in Chemistry, Nallamuthu Gounder Mahalingam College, Pollachi, Coimbatore Dist, Tamilnadu	Chemistry	Research Article	2023	12258-12271	View
New Criteria On The Oscillatory Behaviour Of Second Order Nonlinear Differential	Said R. Grace, John R. Graef, and S. Kaleeswari	*Department of Engineering Mathematics, Faculty of Engineering, Cairo University, Orman, Giza, EGYPT **Department of Mathematics	Mathematics	Mathematical Publications	2023	ISSN 12103195	View

Equations With Mixed Neutral Term		University of Tennessee at Chattanooga, Chattanooga, TN, USA *** Department of Mathematics, Nallamuthu Gounder Mahalingam College, Pollachi, Coimbatore District, Tamil Nadu					
A Comparative Study of Various Dth Service Providers	Dr. M. Nithya and Dr.D.Padma	*Assistant Professor, Department Of Commerce, Sree saraswathi thyagaraja college, ** Associate Professor, Department of Commere, Nallamuthu Gounder Mahalingam College, Pollachi, Coimbatore District, Tamil Nadu	Commerce	SOUTH INDIA JOURNAL OF SOCIAL SCIENCES	2023	ISSN: 0972 – 8945	View
A Study on Customer Attitude and Preference on Dth Service Providers	Dr.M.Nithya and Dr.D.Padma	*Assistant Professor, Department Of Commerce, Sree saraswathi thyagaraja college, ** Associate Professor, Department of Commere, Nallamuthu Gounder Mahalingam College, Pollachi, Coimbatore District, Tamil Nadu	Commerce	RABINDRA BHARATI UNIVERSITY JOURNAL OF ECONOMICS	2023	ISSN : 0975-802X	View
Role of EDI EXIM Documentation in shipping Industry-An Analytical Study	Dr.P.Gurusamy &Dr. Reshmi A. Rajan	*Associate Professor, Department of Commere, Nallamuthu Gounder Mahalingam College, Pollachi, Coimbatore District, Tamil Nadu ** Assistant Professor, Kumaraguru College of Liberal Arts and Science, Coimbatore, Tamilnadu, India.	School of Commerce	Journal of Interdisciplinary Cycle Research	2023	ISSN NO: 0022-1945	View
Synthesis and characterization of NiO nanoparticles using Sesbania grandiflora flower to evaluate cytotoxicity	Dr. S. Dharani, Dr. V. Nithya, Dr. R. Indumathy,	*Department of Chemistry, Bharathiar University, Coimbatore, 641046 India, **Department of Animal Health and Management, Alagappa University, Karaikudi, 630003 India, Centre for Material Chemistry, Karpagam Academy of Higher Education (Deemed to be University), Coimbatore, 641021 India	Chemistry	Results in Chemistry	2023	2211-7156	View

		***Department of Chemistry, Nallamuthu Gounder Mahalingam College, Pollachi, Coimbatore, 642001 India					
Cobalt (II), Nickel (II) and Palladium (II) complexes appended terpyridine-based ligand: Synthesis, spectral characterization, anticancer activity and apoptosis investigation	Pathinathan Senthilraj kapoor, Ramasa my Indumathy, Siva dasan Dharani, Vincent M. Lynch, Gopal Sathyaraj	*Department of Chemistry, Nallamuthu Gounder Mahalingam College, Coimbatore, India, **Department of Chemistry, Karpagam Academy of Higher Education (Deemed to be University), Coimbatore, India, ***Department of Chemistry, Nallamuthu Gounder Mahalingam College, Coimbatore, India ****Department of Chemistry, Bharathiar University, Coimbatore, India	Chemistry	Applied Organometallic Chemistry	2023	1099- 0739	View
Transition metal catalyst free and Single-step synthesis of Significant Thiosemicarbazones via oxidative Coupling Strategy	Dr. S. Dharani, Dr. V. Nithya, Dr. R. Indumathy,	*Department of Chemistry, Bharathiar University, Coimbatore, 641046 India, **Department of Animal Health and Management, Alagappa University, Karaikudi, 630003 India, Centre for Material Chemistry, Karpagam Academy of Higher Education (Deemed to be University), Coimbatore, 641021 India ***Department of Chemistry, Nallamuthu Gounder Mahalingam College, Pollachi, Coimbatore, 642001 India	Chemistry	Chemistry Select	2023	2365- 6549	View
Effect of pH on the morphology of TiO ₂ nanostructures	R. Vasanthapriyaa , N. Neelakandeswar ib,* , K.	Department of Physics, Sri Ramakrishna Engineering College, Coimbatore - 641022, Tamilnadu, India Department of Chemistry, Nallamuthu Gounder Mahalingam	Chemistry	Digest Journal of Nanomaterials & Biostructures (DJNB)	2023	1842- 3582	View

	Uthayarana , M. Chitraa	College, Pollachi 642 001, India					
Parthenium Hysterophorous Flower template assisted SnO2 Nanostructure as photoanode for Dye Sensitized Solar cell	Vasanthapriya R , Neelakandesw ari N , Uthayara ni K , Chitra M	*&***&****Sri Ramakrishna Engineering College ** Assistant Professor, Nallamuthu Gounder Mahalingam College	Chemistry	Chemical Physics Impact	2023	2667- 0224	View
Synthesis, characterisation and ethanol sensing applications of MoO3 – MoO2 nanostructures at room temperature	D. Sudhaa , K. Uthayarana,* , N. Neelakandeswar ib , K. Jeyadheepanc , M. Chitraa	* Department of Physics, Sri Ramakrishna Engineering College, Vattamalaipalayam, Coimbatore 641022, India ** Department of Chemistry, Nallamuthu Gounder Mahalingam College, Pollachi 642 001, India ***School of Electrical and Electronics Engineering, SASTRA University, Tirumalaisamudram, Thanjavur 613 401, India	Chemistry	Digest Journal of Nanomaterials & Biostructures (DJNB)	2023	1842- 3582	View
Influence of dilution and addition of soda water on the corrosion resistance of orthodontic wires immersed in artificial saliva in presence of copper barrel, a hard drink.	Suvakeen Amala Doss Hebciba Marya, Kavipriya Karunaivelb, Vadivelan Senthilb, Ratthika Anuc, Vidhya Thammanana, Jerleen Sindhuja Arulanandama, Anitha Nilavana, Srinivasan Ramasamyd, Rajendran	*St Antony's College of Arts and Sciences for Women, Research Centre, PG Department of Chemistry, Amala Annai Nagar, Tamaraipadi, Dindigul, (Affiliated to Mother Teresa Women's University, Kodaikanal), Tamilnadu, India **PSNA College of Engineering and Technology, Department of Chemistry, Dinidgul, India ***St Antony's College of Arts and Sciences for Women, Research Centre, PG Department of Chemistry, Amala Annai Nagar, Tamaraipadi, Dindigul, (Affiliated to Mother Teresa Women's University,	Chemistry	Zastita Materijala	2023	ISSN: 0351- 9465 E- ISSN: 2466- 2585	View

	Susaie, Gowrani Thiruvankadamf	Kodaikanal), Tamilnadu, India ****Tamilnadu State Council for Science and Technology, Dote campus, Chennai, India, *****St Antony's College of Arts and Sciences for Women, Research Centre, PG Department of Chemistry, Amala Annai Nagar, Tamaraiyadi, Dindigul, (Affiliated to Mother Teresa Women's University, Kodaikanal), Tamilnadu, India + Pondicherry University, Centre for Nanoscience and Technology, Puducherry, India, *****Nallamuthu Gounder Mahalingam College, Department of Chemistry, Pollachi, India					
Electrochemical Studies on the Corrosion behaviour of Gold 18K and Thermo active alloy in artificial sweat in presence of sodium chloride	Gowrani Thiruvankadam a, Anitha Nilavanb, Dhana lakshmi Marimuthuc, Ais hwarya Subramanic, Sub ashini Mary Alexisc, Flori Jenifer Francisc, Nithiya Shree Baluc, Singh Gurmeetd, Al Hashem Abdulhameede, Rajendran Susaif	*Nallamuthu Gounder Mahalingam College, Department of Chemistry, Pollachi, Tamil Nadu, India, **St. Antony's College of Arts and Sciences for Women, (Affiliated to Mother Teresa Women's University). ***Department of Chemistry, Corrosion Research Centre, Kodaikanal, India,PSNA College of Engineering and Technology, ****Department of Chemistry, Dindigul, India,MV Muthiah Government Arts College for Women, *****Department of Chemistry, Dindigul, India,Kuwait Institute for Scientific Research, Petroleum Research Centre, Kuwait *****St. Antony's College of Arts and Sciences for Women, (Affiliated	Chemistry	Zastita Materijala	2023	ISSN: 0351- 9465 E- ISSN: 2466- 2585	View

		to Mother Teresa Women's University). Department of Chemistry, Corrosion Research Centre, Kodaikanal, India + Pondicherry University, Centre for Nanoscience and Technology, Puducherry, India					
Synergistic impact of cationic surfactants on the performance of ZTO for supercapacitor applications	Davidthomas Victor, Ezhilarasi Gnani, Thirumalai Esvaramoorthy, M. K. Kajamohideen, Annapoornam Kannan, Sakunthala, Gokul Gop	*Department of Physics, Nallamuthu Gounder Mahalingam College, Pollachi, Tamil Nadu, India. **Department of Applied Physics, Karunya Institute of Technology and Sciences, Coimbatore, Tamil Nadu, India,	Physics	Materials Today Proceedings	2023	2214-7853	View
Exploration and study on the influence of Zinc substituted Barium Stannate (BaSnO ₃) nano powders for ammonia sensing applications	K. Habeeba, T.E. Manjulavalli, Ezhilarasi D V, A.G. Kannan R.T. Rajendrakumar, K. Muthumalai	*Department of Physics, Nallamuthu Gounder Mahalingam College, Pollachi, Tamil Nadu, India. **Advanced Materials and Devices Laboratory, Department of Nanoscience and Nanotechnology, Bharthiar University, Coimbatore, India	Physics	Materials Today Proceedings	2023	2214-7853	View
Anticorrosion behavior of bioemulsions on metal-environment interface	Geetha, B. Selvakumar, M. Velayutham Pillai, S. Arunachalam	*Department of Chemistry, Kalasalingam Academy of Research and Education, Srivilliputhur 626126, India **Department of Physics, Sri Eshwar College of Engineering, Coimbatore, Tamil Nadu 641023, India ***Department of Chemistry, Nallamuthu Gounder Mahalingam College Pollachi, Tamil Nadu	Chemistry	Elsevier	2023	2211-7156	View

		642001, India ****Department of Electrochemistry, Saveetha School of Engineering, Saveetha Institute of Medical and Technical Sciences, Chennai 602105, India						
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