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St. JOSEPH'S COLLEGE OF ENGINEERING

(An Autonomous Institution)

St. Joseph's Group of Institutions

Jeppiaar Educational Trust

OMR, Chennai - 119.



List of Journal Publications and Conference Paper Publications

2021-2022

Department	Journal		Conference		Total No. of Publication
	International	National	International	National	
MATHEMATICS & ENGLISH	3	-	7	-	10
SCIENCE	17	-	10	-	27

DEPARTMENT OF MATHEMATICS & ENGLISH

1. International Journals

S.No	Author(s) Name	Title of Paper	Name of the Journal	Vol. No	Month Year	pp. xxx-xxx	DOI
1	K.SASIKALA, F.SWEETY, T.KALYANI, D.G.THOMAS	Partial Array Token Petri Net and P System	LNCS BOOK SERIES	135- 152	June 2021	-	https://doi.org/10.1007/978-3-030-77102-7_8
2	AGILAN P, RASSIAS J VALLINAYAGAM V	Hyers stability of additive functional equations in Banach space	Springer proceedings in Mathematics and statistics	344	2021	79-94	-
3	S.SHYAMALA, K.SURESH AND S.R. ANANTHA LAKSHMI	A Two Stage Queuing System with delay time	Journal of Physics conference series	1964 022023	July 2021	1-5	10.1088/1742-6596/1964/2/022023

International Conference			
S.No.	Authors Name	Title of the paper	Details of the Conference
1	Dr.K.Abinaya	Language Acquisition through Literature using NLP	15th International And 51st Annual Conference of Eltai, Organised by English Language Teachers Association of India (ELTAI) along with the host institutions, 20-28 November 2021.
2	Dr.N.Jose Parvin Praveena	Research on symptoms of covid 19 using new Trapezoidal combined overlap fuzzy cognitive Maps	Conference on Mathematical Sciences and applications in Engineering, Organised by Hindustan Institute Of Technology And Science, 9-10 December 2021.
3	Dr.P.Agilan	Classical approach to the stability analysis in Banach spaces for a AQC functional equation	27th International conference of the international academy of physical sciences on mathematical analysis and its applications, Organised by Central University of Kerala, 26-28 October 2021.
4	Dr.V.Vallinayagam	Stability of additive functional equations in random number spaces	International conference on mathematical sciences in engineering and advanced technologies, Organised by KPR institute of engineering and technology, 22-23 October 2021.
5	Dr.P.Agilan	Intuitionistic fuzzy stability of additive functional equations originated from characteristic polynomial of degree three	International conference on mathematical sciences in engineering and advanced technologies, Organised by KPR institute of engineering and technology, 22-23 October 2021.
6	Mr.K.Suresh	Vertex odd divisor cordial labelling of graphs	International conference on mathematical sciences in engineering and advanced technologies, Organised by KPR institute of engineering and technology, 22-23 October 2021.
7	Ms.B.Shoba	Bimagic labelling of some standard path and star graphs	International conference on mathematical sciences in engineering and advanced technologies, Organised by KPR institute of engineering and technology, 22-23 October 2021.

DEPARTMENT OF SCIENCE

1. International Journals:

S. No	Author(s) Name	Title of Paper	Name of the Journal	Vol. No	Month Year	pp. xxx-xxx	DOI
1	K.I. Dhanalekshmi, K. Jayamoorthy, B. Subash, T. Ujam Oguejifo, Zhang Xiang, K. Kadambary	Binding interaction of 5-amino-2-mercaptobenzimidazole with Au-TiO ₂ : inhibition of switch-on fluorescence	Inorganic and Nano-Metal Chemistry		Jun.2021		10.1080/24701556.2021.1952264
2	R. Mohan, C. Rakkappan, N. Punitha, K. Jayamoorthy, K.I. Dhanalekshmi	Effect of Polyethylene glycol capping on structural, optical and thermal properties of ZnS:Ni ²⁺ nanoparticles	Inorganic and Nano-Metal Chemistry		Jun.2021		10.1080/24701556.2021.1952241
3	M. Rajasekar, K. Jayamoorthy, S.P. Meenakshisundaram, A. Aditya Prasad, K.I. Dhanalekshmi	Growth, characterization and theoretical studies of cadmium (II) thiourea complexes: A comparative study	Inorganic and Nano-Metal Chemistry		Jun.2021		10.1080/24701556.2021.1956965
4	A.Arulmozhi K.Vishista G.Subalakshmi	Effect of bismuth ions on the photoluminescence properties of BaTiO ₃ :Dy ³⁺ perovskite phosphors for LEDs application	<u>Journal of Materials Science: Materials in Electronics</u>	32	Jun.2021	17136-17142	10.1007/s10854-021-06116-w
5	A. Arun Kumar, M. Antony Lilly Grace , R. Subramaniyan@raja , S. Rama , G. Pragadeeswari	Nucleation, dielectric, and ferro electric studies of potassium succinate succinic acid (KSSA) crystals	Materials today Proceedings	47	Jun.2021	4852-4860	https://doi.org/10.1016/j.matpr.2021.06.083

6	K.Premlatha, N.R.Rajagopalan, P.Krishnamoorthy	Contemporary studies on growth and characterization of Magnesium doped γ -glycine – A potential optoelectronic NLO material	Journal of Molecular Structure	1240	Sep.2021	130593	10.1016/j.molstruc.2021.130593
7	P Dhatshanamurthi,B Subash,K Jayamoorthy, R Sasikala, P Vijaya,M Shanthi,	Superficial sonication synthesis of a highly sunshine active metal modified ZnO photocatalyst and its multiple applications,	Inorganic and Nano-Metal Chemistry,	52	Aug.2021	429-440	https://doi.org/10.1080/24701556.2021.1980023
8	P. Nisha, S. Suresh, P. Saravanan, K. Jayamoorthy, B. Subash, S.M. Prakash, N.R. Rajagopalan, C. Ravichandran	Effect on hydrophobicity and antimicrobial behavior of epoxy resin due to silane functionalized TiO ₂ as nanofillers	International Journal of Polymer Analysis and Characterization		Aug.2021		10.1080/1023666X.2021.1964743
9	K. Jayamoorthy, P. Saravanan, Vaddi Seshagiri Rao, N. R. Rajagopalan, S. Rengarajan, P. Nisha	Carbon nanotubes functionalized with newly synthesized benzimidazole derivative for corrosion inhibition on the nickel alloy surface in a sulfuric acidic medium	Inorganic and Nano-Metal Chemistry		Sep.2021		10.1080/24701556.2021.1984534
10	R. Mohan, C. Rakkappan, N. Punitha, K. Jayamoorthy, K. I. Dhanalekshmi	Effect of polyethylene glycol capping on structural, optical and thermal properties of ZnS:Ni ²⁺ nanoparticles	Inorganic and Nano-Metal Chemistry		July.2021		10.1080/24701556.2021.1952241

11	N. Manopradha, S. Gowri, S. Rama, K. Selvaraju, K. Kirubavathi	Nucleation kinetics, Williamson-Hall analysis, hardness and dielectric properties of pyridine-2-carboxylictrichloroacetate single crystals	Physica B: Condensed Matter	624	Jan.2022	413397	10.1016/j.physb.2021.413397
12	Bhuvana. S, Thilakavathi. G, Venkatraj Athikesavan, V.Rohini, Rama.S	The outbreak of novel Coronavirus 2019 (COVID-19) infection - pandemic in India; An implications and emerging health treatment	Journal of Xi'an University of Architecture & Technology	8	2021		Issn No : 1006-7930
13	P Jayaprakash, P Krishnan, K Suresh, K Thillaivelavan, B Dhinakaran, G Vinitha, R Ravisankar,	Synthesis, growth and investigation of an efficient nonlinear optical single crystal: Glycine potassium iodide	Chemical Data Collections,	34	2021	100752	Doi: https://doi.org/10.1016/j.cdc.2021.100752
14	P. Navamani, K. Jayamoorthy, N. Srinivasan	Nano SiO ₂ catalytic synthesis, NMR spectral studies, photophysical properties and theoretical studies of some styryl imidazole derivatives	Inorganic and Nano-Metal Chemistry		Apr.2022		10.1080/24701556.2022.2070645
15	R Flora, S Palani, J Sharmila, M Chamundeeswari	Green synthesis and optimization of zinc oxide quantum dots using the Box- Behnken design, with anticancer activity against the MCF-7 cell line	Applied Physics A		Mar.2022		10.1007/s00339-022-05466-4
16	G Parvathy, P Krishnan, P Pandi, R Kaliammal, P Devendran, M Krishna Kumar, S. Sudhahar,	Green synthesis of nickel oxide nanoparticles using Mussaenda philippica extract for biological applications,	Journal of Nanostructures		2022		Manuscript ID: JNS-2112-2433 (Accepted)

17	A.Afroos Banu, S.Mani Naidu, Vinjamuri S.N. Ch.Dattu, G.Sridevi, M.Kalyan Chakravarthi, N.R.Rajagopalan	Experimentally investigating the influence of static mixers on the performance of a solar water heater	Materials today Proceedings	62	2022	2370-2375	10.1016/j.matpr.2022.04.851
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2. International Conference:

Sl. No	Name of the Staff	Title of the Paper	Details of Conference
1.	N.R. Rajagopalan, P. Krishnamoorthy, K. Jayamoorthy	A modern approach to the synthesis and physico-chemical analysis of the effect of metal dopant on thiourea based NLO crystals	27th and 28th April 2022, International conference on materials and biological researches (ICMBR-2022), Department of Chemistry, DR. R.K. Shanmugam College of arts and science, Tamil Nadu, India.
2.	S. Kaleel Mohamed Ibrahim	Design, synthesis and characterization of efficient sensor: binding interaction with ZrO ₂ nanoparticles	27th and 28th April 2022, International conference on materials and biological researches (ICMBR-2022), Department of Chemistry, DR. R.K. Shanmugam College of arts and science, Tamil Nadu, India.
3.	P. Dhatshanamurthi, B. Subash,	Superficial sonication synthesis of a highly sunshine active metal modified ZnO photocatalyst and its applications	27th and 28th April 2022, International conference on materials and biological researches (ICMBR-2022), Department of Chemistry, DR. R.K. Shanmugam College of arts and science, Tamil Nadu, India.
4.	Sharmila J, Saravanan P, Chamundeeswari M,	Photocatalytic degradation of industrial effluent by phycoyanin and usage of degraded water to grow Allium cepa,	27th and 28th April 2022, International conference on materials and biological researches (ICMBR-2022), Department of Chemistry, DR. R.K. Shanmugam College of arts and science, Tamil Nadu, India.
5.	P. Saravanan, P. Nisha, K. Jayamoorthy	Development of novel functionalized epoxy nanohybrid coatings for anticorrosion and antifouling applications	27th and 28th April 2022, International conference on materials and biological researches (ICMBR-2022), Department of Chemistry, DR. R.K. Shanmugam College of arts and science, Tamil Nadu, India.

6.	R. Sasikala, B. Subash	Excellent Photocatalytic Performance of Acid Black 1 dye by bimetallic Catalyst under Sun light illumination	27th and 28th April 2022, International conference on materials and biological researches (ICMBR-2022), Department of Chemistry, DR. R.K. Shanmugam College of arts and science, Tamil Nadu, India.
7.	S.M. Prakash, K. Jayamoorthy, N. Srinivasan	Catalytic synthesis and fluorescence studies of hydroxy imidazole derivative	27th and 28th April 2022, International conference on materials and biological researches (ICMBR-2022), Department of Chemistry, DR. R.K. Shanmugam College of arts and science, Tamil Nadu, India.
8.	V. Swarnalatha	Complexation of an N-substituted acrylamides resin by quaternary ammonium salts: Synthesis and characterization of ecofriendly copolymer for biofouling resistance coatings	27th and 28th April 2022, International conference on materials and biological researches (ICMBR-2022), Department of Chemistry, DR. R.K. Shanmugam College of arts and science, Tamil Nadu, India.
9.	S. Suresh, K. Jayamoorthy	FT-IR spectral studies to access the effect of bulk and nanometal oxide on peanut seeds	27th and 28th April 2022, International conference on materials and biological researches (ICMBR-2022), Department of Chemistry, DR. R.K. Shanmugam College of arts and science, Tamil Nadu, India.
10.	S. Savitha, K. Jayamoorthy	Seasonal Distribution of Heavy metals in Kariachalli and Vilanguchalli Islands Gulf of Mannar, the South East Coast of India	27th and 28th April 2022, International conference on materials and biological researches (ICMBR-2022), Department of Chemistry, DR. R.K. Shanmugam College of arts and science, Tamil Nadu, India.