



**ST. JOSEPH'S COLLEGE OF ENGINEERING,
CHENNAI -119**

DEPARTMENT OF SCIENCE & HUMANITIES



**List of Journal Publications and Conference Presentations
2016-17**

Department	Journal		Conference		Total No. of Publication
	International	National	International	National	
MATHEMATICS & ENGLISH	6	-	-	-	6
SCIENCE	21	0	0	12	33

DEPARTMENT OF MATHEMATICS & ENGLISH

1. International Journals:

Sl. No	Name of the Staff	Title of the Paper	Details of the Journal Title of the Journal, Volume, Pages, Year
1	Dr. V. Vallinayagam	Detecting outliers in multivariate data	European Journal Of Pharmaceutical And Medical Research, Volume 3, Issue 7, Page: 451-456, June 2016.
2	Dr. K. Sasikala	Compatibility and Conjugacy on Partial Arrays	Computational and Mathematical Methods in Medicine, Volume 2016, Article ID 5010316, pages1-5, August 2016
3	Mr. G. Venkat Narayanan	Simple graphoidal covering number on product of graphs	International Journal of Pure and Applied Mathematics, Volume 111, issue 2, Page:233-248
4	Dr. V. Vallinayagam	A comparative study of artificial neural network architectures and cox proportional hazard model using heart attack data	Journal of Chemical and Pharmaceutical Sciences, Volume 9, Issue 3, Page:2339-2343, July-Sep2016
5	Dr. V. Vallinayagam	Automated Classification of Tuberculosis by PSO based Machine Learning using Chest Radiographs,	International Journal of Engineering Research & Technology, Vol. 5 Issue 10, Page:405-411, October-2016
6	Mr. U. Venkateshwara	Augmenting the verbal communication of students by changing their learning behaviour	The English Classroom, Volume.18, No.1, pp.61-77, June2016.

DEPARTMENT OF SCIENCE

1. International Journals:

Sl. No	Name of the Staff	Title of the Paper	Details of the Journal Title of the Journal, Volume, Pages, Year
1	S. Suresh	Spectral investigations to the effect of bulk and nano ZnO on peanut	Karbala International Journal of Modern Science, vo1. 2, pp. 69-77, June 2016.
2	N. Punitha	Structural and optical behavior of thermally stable co-doped ZnS nanocrystallites	Materials Letters, vol. 173, pp. 5-8, June 2016.
3	A. Uma Devi,	Highly selective sulfonated poly(vinylidene fluoride-co-hexafluoropropylene)/poly(ether sulfone) blend proton exchange membranes for direct methanol fuel cells	Journal of Applied Polymer Science, vol.133, pp. 43907, June 2016.
4	K Jayamoorthy	Study of photodynamic activity of Au@ SiO ₂ core-shell nanoparticles in vitro	Materials Science and Engineering: C, vol. 63, pp. 317-322, July 2016.
5	S. Manikandan	Growth, structural, optical, thermal and dielectric properties of L-asparagine monohydrate admixed with thiomalic acid single crystal	Optik - International Journal for Light and Electron Optics, vol. 127, pp. 5316-5321, July 2016.
6	S. Suresh	Development of silane grafted ZnO core shell nanoparticles loaded diglycidyl epoxy nanocomposites film for antimicrobial applications	Materials Science and Engineering C , vo. 64, pp. 286-292, July 2016.

7	K. Jayamoorthy	Comparison of antibacterial and antifungal activity of 5-amino-2-mercapto benzimidazole and functionalized Ag ₃ O ₄ nanoparticle	Karbala International Journal of Modern Science, vol. 2, pp. 129-137, June 2016.
8	K. Jayamoorthy	Experimental and Quantum Chemical Studies on the Corrosion Inhibition of Mild Steel by Quinoline Schiff Bases	DJ Journal of Engineering Chemistry and Fuel, vol. 1(4), pp. 1-16, September 2016.
9	S. Suresh	FTIR and multivariate analysis to study the effect of bulk and nano copper oxide on peanut plant leaves	Journal of Science: Advanced Materials and Devices, vol. 1, pp. 343-350, September 2016.
10	P. Saravanan	Design and characterization of non-toxic nano-hybrid coatings for corrosion and fouling resistance	Journal of Science: Advanced Materials and Devices, vol. 1, pp. 367-378, September 2016.
11	S. Suresh	Comparison of antibacterial and antifungal activity of 5-amino-2-mercapto benzimidazole and functionalized NiO nanoparticle	Karbala International Journal of Modern Science, vol. 2, pp. 188-195, September 2016.
12	S. Suresh	Effect of bulk and nano-Fe ₂ O ₃ particles on peanut plant leaves studied by Fourier transform infrared spectral studies	Journal of Advanced Research, vol. 7, pp. 739-747, September 2016.
13	S. Suresh	Fluorescence sensing of potential NLO material by bunsenite NiO nanoflakes: Room temperature magnetic studies	Sensors and Actuators B: Chemical, vol. 232, pp. 269-275, September 2016.
14	P. Saravanan	Fluorescence quenching of APTES by Fe ₂ O ₃ nanoparticles - Sensor and antibacterial applications	Journal of Luminescence, vol. 178, pp. 241-248, October 2016.

15	N.R. Rajagopalan	Bis (thiourea) strontium chloride as promising NLO material: An experimental and theoretical study	Karbala International Journal of Modern Science, vol. 2, pp. 219-225, December 2016.
16	P. Krishnan	Growth, spectral, thermal, laser damage threshold, microhardness, dielectric, linear and nonlinear optical properties of an organic single crystal: L-phenylalanine DL-mandelic acid	Physica B: Condensed Matter, vol. 503, pp. 25-31, December 2016.
17	N.R. Rajagopalan	A systematic approach to physico-chemical analysis of tris (thiourea) zinc selenate - A semi-organic nonlinear optical crystal	Optik - International Journal for Light and Electron Optics, vol. 129, pp. 118-129, January 2017.
18	N.R. Rajagopalan	Growth and characterisation of bis(thiourea) antimony tribromide: A reliable non-linear optical crystal	Journal of Inorganic and organometallic polymers and materials, vol. 27, pp. 296-312, January 2017.
19	A. Uma Devi	Fabrication and electrochemical properties of SPVdF-co-HFP/SPES blend proton exchange membranes for direct methanol fuel cells	Renewable Energy, vol. 102, pp. 258-265, March 2017.
20	N.R. Rajagopalan	A strategic approach to physico-chemical analysis of bis (thiourea) lead chloride - A reliable semi-organic nonlinear optical crystal	Optics & Laser Technology, vol. 89, pp. 6-15, March 2017.
21	N.R. Rajagopalan	Physicochemical Analysis of Tetrakis (Thiourea) Palladium Chloride: A Prospective Non-Linear Optical Crystal	Journal of Inorganic and Organometallic Polymers and Materials, vol. 27, pp. 739-756, May 2017.

2. National Conference:

Sl. No	Name of the Staff	Title of the Paper	Details of the Journal Title of the Journal, Volume, Pages, Year
1	K. Jayamoorthy	characterization and antimicrobial activities of some substituted imidazole derivatives	Recent Advances in Material Science (RAMS-2017), January 2017, PG and Research Department of Chemistry, Immaculate college for women, Viriur.
2	K. Jayamoorthy	Synthesis, spectral characterization, solvent effect and application of some imidazoles	Recent Advances in Material Science (RAMS-2017), January 2017, PG and Research Department of Chemistry, Immaculate college for women, Viriur
3	A. Arulmozhi	Effect of Ceramic coating on Medium Carbon Steels by Laser Alloying	Recent Advances in Material Science (RAMS-2017), January 2017, PG and Research Department of Chemistry, Immaculate college for women, Viriur.
4	N. R. Rajagopalan	An investigation on the growth and characterization of pure and doped thiourea based nonlinear optical crystals	Recent Advances in Material Science (RAMS-2017), January 2017, PG and Research Department of Chemistry, Immaculate college for women, Viriur.

5	P. Saravanan	Incorporation of zosteric acid and capsaicin into amine functionalized nano zeolite epoxy coatings - protection against corrosion and biofouling	Recent Advances in Material Science (RAMS-2017), January 2017, PG and Research Department of Chemistry, Immaculate college for women, Viriur.
6	P. Krishnan	nucleation kinetics, mechanical, thermal, optical and electrical characterization of Brucinium 2-carboxy-6-nitrophthalate dihydrate single crystal	Recent Advances in Material Science (RAMS-2017), January 2017, PG and Research Department of Chemistry, Immaculate college for women, Viriur.
7	B. Subash	Excellent Photocatalytic Performance of Acid Black 1 dye by CdS-Ag-ZnO Catalyst under Sun light illumination	Recent Advances in Material Science (RAMS-2017), January 2017, PG and Research Department of Chemistry, Immaculate college for women, Viriur.
8	S. Manikandan	Influence of nanoparticles on optical, thermal and dielectric properties of L-Asparagine monohydrate single crystals	Recent Advances in Material Science (RAMS-2017), January 2017, PG and Research Department of Chemistry, Immaculate college for women, Viriur.
9	S. Suresh	FT-IR spectral studies and multivariate analysis to access the effect of bulk and nano Fe ₂ O ₃ particles on peanut seeds	Recent Advances in Material Science (RAMS-2017), January 2017, PG and Research Department of Chemistry, Immaculate college for women, Viriur.
10	V. Swarnalathaa	Polarisation and electrochemical impedance study of hydrophilic copolymers as corrosion inhibitor for mild steel	Recent Advances in Material Science (RAMS-2017), January 2017, PG and

			Research Department of Chemistry, Immaculate college for women, Viriur.
11	J. Sharmila	Spirulina-ZnO -Green corrosion inhibitor for mild steel in sea water	Recent Advances in Material Science (RAMS-2017), January 2017, PG and Research Department of Chemistry, Immaculate college for women, Viriur.
12	S. Savitha	Seasonal variation of heavy metals in the marine sediments off the islands of Tuticorin, Southeast Coast of India	Recent Advances in Material Science (RAMS-2017), January 2017, PG and Research Department of Chemistry, Immaculate college for women, Viriur.