

Physical science - Kerala Science Congress 2018

11. Physical Science

Sl No.	Reg. No.	Title of Paper
Best Paper Award Category		
1	10208	Nitrogen doped graphene wrapped silver nanowires as a high performance anode material for Lithium ion batteries
2	11323	Nickel Ferrite @ Barium Titanate Core-shell nanostructure assisted giant magnetoelectric effect in Aligned and Random PVDF Nanofibers
3	10306	MESO-MACRO POROUS SUPERPARAMAGNETIC NANOSPHERES FOR THE PHOTOCATALYTIC REMOVAL OF MIXED IMPURITIES
4	10142	COVALENTLY GRAFTED MULTIWALLED CARBON NANOTUBE/POLYANILINE HYBRIDS AS ELECTRODE MATERIAL FOR SUPERCAPACITOR APPLICATIONS
Oral Presentation		
1	10849	BIPOLARITY IN TRANSPARENT CONDUCTING AMORPHOUS AND CRYSTALLINE AgGaO ₂
2	10407	SYNTHESIS, CHARACTERIZATION AND PHOTOCATALYTIC ACTIVITY OF IRON OXIDE NANOPARTICLES
3	10242	Molecular Dynamics and Physical Stability of Neat and Binary Mixture of Amlodipine Besylate
4	10652	MICROWAVE ASSISTED FAST SYNTHESISED COPPER OXIDE NANOPARTICLES AS ANTIBACTERIAL AGENT
5	10296	EFFECT OF MULTIPLE DIP ON PbS CuS HETEROJUNCTION THIN FILMS BY CBD METHOD
6	10942	Formation of Helicoidal Structures in Reaction Diffusion Systems
7	10037	A THEORETICAL INVESTIGATION ON FIRST ORDER HYPERPOLARIZABILITIES OF MATERIALS: INDOLE AND BENZOFURAN
8	10869	EXOTIC DECAY IN IRIIDIUM ISOTOPES
9	10529	PREPARATION AND CHARACTERIZATION OF TITANIUM DIOXIDE THIN FILMS USING SOL-GEL SPIN COATING TECHNIQUE
10	10190	COUPLING OF ELECTROSTATIC ION CYCLOTRON AND ION ACOUSTIC WAVES IN A FIVE COMPONENT COMETARY PLASMA
11	10029	CONDENSATION OF NON IDEAL NITROGEN AND ARGON USING CLUSTER EXPANSION METHOD
12	10355	VERTICAL MOLYBDENUM TRIOXIDE NANORODS VIA THERMAL EVAPORATION
13	10879	VISUALIZATION OF MUSIC: A STUDY ON THE RELATIONSHIP BETWEEN MUSIC AND COLOURS
14	10892	STRUCTURAL AND OPTICAL BANDGAP STUDIES OF STRONTIUM COPPER OXIDE AND STRONTIUM ZINC OXIDE

NANOCOMPOSITES

Poster Presentation

1	11288	Influence of Sb dopant on the structural and electrical properties of CeO ₂ electrolyte
2	10045	A CRITICAL STUDY OF SILVER NANO DOTS AND NANO MEDICINE
3	10533	SYNTHESIS AND CHARACTERIZATION OF POLYANILINE/COPPER NANOCOMPOSITES FOR ELECTRODE MATERIALS
4	10028	MODELING VAN DER WAALS GAS USING PARTICLES ON LATTICES
5	10219	Synthesis and study of bandgap variation in pure and Graphene doped In ₂ S ₃
6	10032	JACKFRUIT FOR GREEN ELECTRONICS
7	10367	PROPERTIES OF TRANSPARENT CONDUCTING FLUORINE DOPED TIN OXIDE THIN FILMS PREPARED BY CHEMICAL SPRAY PYROLYSIS METHOD
8	10312	Toxic metal ion sensing by Rhodamine incorporated gold nanofluid hybrid
9	10811	GEL GROWTH OF BIOLOGICALLY ACTIVE ZINC NICOTINATE CRYSTAL AND ITS CHARACTERIZATION
10	10619	INDUSTRIAL DYE DEGRADATION USING A NOVEL HETEROSTRUCTURED COPPER OXIDE/CADMIUM OXIDE NANOCOMPOSITE
11	11195	Photoluminescence properties of monoclinic structured CePO ₄ :Tb ³⁺ /Dy ³⁺ green and blue nanophosphors for white LED applications
12	10436	EXISTENCE OF 19-25F NEUTRON HALO ISOTOPES AGAINST CLUSTER DECAY IN THE SUPERHEAVY REGION
13	11069	Spectroscopic Investigation of Ag Nano-Wires Doped SiO ₂ -TiO ₂ -ZrO ₂ :Eu ³⁺ Ternary Matrices
14	10114	Luminescent properties of Europium doped Zinc Sulphide Nanophosphors
15	11101	ESTIMATION OF ²²² Rn CONCENTRATION IN NATURAL AND PACKAGED DRINKING WATER- A SAMPLE STUDY.
16	11086	INVESTIGATION ON RADON CONCENTRATION IN WATER TO ASSESS THE WHOLE BODY DOSE ALONG COASTAL PARTS OF KERALA, INDIA
17	10651	HYDROTHERMAL SYNTHESIS OF LiMnPO ₄
18	10310	PHOTOLUMINESCENT EMISSION IN UV AND VISIBLE REGION FOR THE HYDROTHERMALLY GROWN Cu DOPED SnO ₂
19	11112	RADON AND PROGENY CONCENTRATIONS IN DWELLINGS OF HIGH BACKGROUND RADIATION AREA, KERALA
20	10113	Dielectric and Magneto electric studies in Eu doped BiFeO ₃ system due to structural distortions
21	10749	Photocatalytic property of barium hexaferrite colloids prepared by laser assisted synthesis