

Kerala Science Congress 2018

3. CHEMICAL SCIENCE

Sl No.	Reg. No.	Title of Paper
Best Paper Award		
1	10153	A novel Zinc-catalyzed etherification reaction of aryl halides with phenols
2	10986	A novel method for synthesis of polyurethane Coatings from Rubber Seed Oil; Synthesis and Properties
3	10713	Facet controlled growth of Pt Ag nanostructure as an efficient electro catalyst for fuel cell application
4	10116	Novel Copper-Free Cobalt-Valine Catalyzed O-Arylation of Phenols with Electron Deficient Aryl iodides
5	10131	Carbondots-goldnanorod theranostic hybrid for cancer cell imaging and photothermal therapy
Oral Paper Presentation		
1	10901	Naked Eye Detection of Infertility Based on Sperm Protamine Induced Aggregation of Heparin Gold Nanoparticles.
2	10182	SYNTHESIS, CHARACTERIZATION AND PHOTOINDUCED ANTIFUNGAL PROPERTIES OF SILVERNANOPARTICLES ENCAPSULATED IN BOVINE SERUM ALBUMIN FUNCTIONALIZED WITH 2-[(E)-(3-HYDROXYNAPHTHALEN-2-YL) DIAZENYL]-[(E)-(3-HYDROXYNAPHTHALEN-2-YL) DIAZENYL] BENZOIC ACID
3	10206	CUSCUTA REFLEXA MICRO FIBER REINFORCED SUSTAINABLE NATURAL RUBBER COMPOSITES: SYNTHESIS, CHARACTERIZATION AND EVALUATION OF IT'S PROPERTIES
4	11186	ULTRASOUND AND THERMO RESPONSIVE COPOLYMER AS GATEKEEPERS IN MESOPOROUS SILICA FOR ANTICANCER TRANSDERMAL DRUG DELIVERY
5	10479	SURFACE MORPHOLOGICAL ANALYSIS OF DIFFERENTLY SULPHONATED STYRENE -1, 6-HEXANEDIOL DIACRYLATE COPOLYMER AS NOVEL CATION EXCHANGE RESIN AND AS A CATALYST SUPPORT
6	10184	An Uncommon Multicomponent Reaction Involving Nucleophilic Heterocyclic carbenes: Facile Synthesis of Fully Substituted Cyclopentanones
7	10216	An electrochemical sensor for the neurotransmitter dopamine
8	11011	SYNTHESIS AND PHASE TRANSITION PROPERTIES OF SOME NEW DIBENZYLIDENONE LIQUID CRYSTALS

9	11272	CONSTRUCTION OF SEMICONDUCTING NANOWIRES VIA SELF-ASSEMBLY OF FULLERENE CLUSTER AND SHORT DNA STRANDS
10	10583	INTERACTION OF TWO HETEROCYCLIC OXIMES ON COPPER CORROSION IN NITRIC ACID: ELECTROCHEMICAL, SURFACE MORPHOLOGICAL AND QUANTUM CHEMICAL INVESTIGATIONS
11	11130	EXPLORING THE MECHANISM, ENERGETICS AND EFFICIENCY OF NHC CATALYZED ALKYNE HYDROCHALCOGENATION REACTION: A DFT STUDY
12	11250	Graphene Oxide - Naphthalimide Nanoconjugates as a Fluorescence "Turn-On" Sensor for Acetylcholine
13	11139	Interpreting Oxidative Addition of Ph-X (X = CH ₃ , F, Cl, Br) to Monoligated Pd(0) Catalysts using Molecular Electrostatic Potential
14	10828	NON -DOPED SINGLE SMALL ORGANIC MOLECULE BASED WHITE LIGHT EMITTING DIODE -EXPLOITING BOTH SINGLET AND TRIPLET EMISSIONS
15	10276	SYNTHESIS, CHARACTERIZATION AND APPLICATION OF EGDMA GRAFTED NANOCELLULOSE/GRAPHENE OXIDE POLYMER COMPOSITE FOR THE ADSORPTION OF Th(IV) FROM AQUEOUS MEDIA
16	10707	A Fluorogenic "Turn On" Chemosensor for Aluminium Detection
17	11141	A DFT STUDY ON ALKYNE HYDROSELENATION VIA COBALT COMPLEX CATALYZED MECHANISM
18	10376	A novel method for synthesis of polyurethane Coatings from Rubber Seed Oil; Synthesis and Properties
19	10528	THIRD ORDER NON LINEAR OPTICAL PROPERTIES OF LOW BAND GAP DONOR ACCEPTOR TYPE BENZOTHIADIAZOLE COPOLYMER THEORETICAL DESIGN AND SYNTHESIS
Poster Presentation		
1	10833	POLYMER SUPPORTED HYPERBRANCHED POLYGLYCIDOL DECORATED WITH NHC- Pd COMPLEX AT THE PERIPHERY: SYNTHESIS AND APPLICATION AS HETEROGENEOUS CATALYST IN SUZUKI COUPLING REACTION
2	10377	PREPARATION AND CHARACTERISATION OF THREE BRONSTED – LEWIS ACIDIC DESs (DEEP EUTECTIC SOLVENTS) AND THEIR APPLICATION AS GREEN CATALYST AND SOLVENT IN PAAL-KNORR REACTION
3	10971	Solid-emissive AIE Luminogen with Mega Stokes shift for Low-level Water Detection in Organic solvents.

4	10150	EXPLORATION OF IRON CATALYSIS IN THE SYNTHESIS OF 1,3-BUTADIYNES
5	10538	Computational Study on Mechanism of Hydroxyl Radical Scavenging by Melatonin and related indolamines
6	10495	PREPARATION AND PROPERTIES OF METHYL METHACRYLATE ACRYLONITRILE BUTADIENE STYRENE/EPOXY BLENDS
7	10813	COMPUTATIONAL STUDY OF DEGRADATION MECHANISM OF TRANS-2-HEXENAL IN THE ATMOSPHERE
8	10356	Polysaccharide coated superparamagnetic iron oxide nanoparticles for folate receptor targeted methotrexate delivery
9	11174	SILICONE RUBBER/NANO-HYDROXYLAPATITE SYSTEMS: A PROMISING CANDIDATE FOR BIOMEDICAL APPLICATIONS
10	11264	FLUORESCENT SILVER NANOCLUSTERS TEMPLATED BY DNA THREE-WAY JUNCTION FOR SELECTIVE DETECTION OF MERCURY IONS
11	11150	CONDUCTION MECHANISM OF A NOVEL INDOLOCARBAZOLE-THIOPHENE BASED CONJUGATED POLYMER DIODE
12	10459	OPTIMIZATION OF METHOD FOR JUDICIOUS UTILIZATION OF SYMPLOCOS COCHINCHINENSIS
13	11067	Nucleophilic Substitution and Subsequent Exfoliation of Fluorographite for the Bulk Preparation of Ethoxy Functionalized Graphene
14	10659	Synthesis of ZSM-5 Zeolite Using Surfactant as Mesoporous Structuring Agents and its Catalytic Activity Studies
15	10927	Evaluation of cytotoxic effects of MoO ₃ nanoparticles and application against environmental toxicant
16	11007	DESIGN AND SYNTHESIS OF GLYCOCONJUGATES, THEIR IMMUNOMODULATORY AND ANTIMICROBIAL PROPERTIES

17	11148	A NOVEL STRATEGY FOR THE SYNTHESIS OF BENZOFUSED HETEROCYCLES VIA COPPER CATALYZED COUPLING REACTIONS
18	11149	FACILE SYNTHESSES OF UNSYMMETRIC 1,3-DIYNES VIA Cu-CATALYZED COUPLING REACTIONS UNDER MILD CONDITIONS
19	10751	EXTREMELY SMALL FLUORESCENT SYSTEM AS A VERSATILE TOOL FOR BIOMEDICAL APPLICATIONS
20	11000	METAL-FREE DIARYL ETHERIFICATION OF TERTIARY AMINES BY ORTHO-C(sp ²)-H FUNCTIONALIZATION FOR SYNTHESIS OF DIBENZOXAZEPINES AND DIBENZOXAZEPINONES
21	10506	PALLADIUM CATALYZED ANNULATION OF BAYLIS HILLMAN ADDUCTS TOWARDS THE FACILE SYNTHESIS OF INDANONES
22	10746	SYNTHESIS AND CHARACTERIZATION OF HDPE-CHITOSAN COMPOSITES FOR BIOMEDICAL APPLICATIONS-AN INSIGHT INTO THE PLASTICIZING EFFECT OF PALM OIL
23	11190	ELECTROCHEMICAL SENSING OF BISPHENOL A WITH MOLECULARLY IMPRINTED POLYMER TAILORED ON MULTIWALLED CARBON NANOTUBES
24	10968	A Green technique for the extraction of curcumin using edible oils and its encapsulation in nanoemulsions
25	11151	ELECTROSTATICS FOR PROBING LONE PAIRS AND THEIR INTERACTIONS
26	10240	POLYANILINE MODIFIED SAGO SEED SHELL POWDER: CHARACTERISATION AND ITS THERMAL BEHAVIOUR

27	11240	CARBOXYLATED NITRILE RUBBER /MULTIWALLED CARBON NANOTUBE COMPOSITES WITH SEGREGATED CONDUCTIVE NETWORK
28	11135	CONFORMATIONAL ANALYSIS AND THE REDUCING PROPERTIES OF DISULFIDE INCORPORATED CROWN ETHERS: A COMPUTATIONAL STUDY
29	10287	DETERMINATION OF THE COMPOSITION OF INDIAN ALMOND/ BADAM(Terminaliacattapa) SHELL AND ISOLATION, CHARACTERISATION OF MICROCRYSTALLINE CELLULOSE (MCC)
30	11198	GOLD NANO PARTICLE DECORATED GUAR GUM MEMBRANE FOR ENHANCED TRANSDERMAL DRUG DELIVERY