

Indian Analytical Congress (IAC– 2019)
12-14 Dec, 2019, Amity University, Noida, NCR, Delhi, India

List of Accepted Contributory Papers

ID.No	Presenting Author	Organization	Title of Paper
A-1	Himani Negi	Indian Institute of Petroleum (CSIR)	Viscosity modification of crude oil by using a chitosan-based cationic surfactant
A-2	J.S. Rathore	Manav Rachna University	On-Site Trial Study on Control of Acidity in In-Service FRF using Dry Ion Exchange Resin Based Cartridge in Place of Fuller's Earth
A-3	Sandesh C J	BASF Chemicals India Pvt. Ltd	Residual Dipolar Coupling -NMR for conformational Analysis
A-4	Priya Saharan	Deenbandhu Chhotu Ram University of Science & Technology	Biocompatible carbon based composite for water decontamination using advanced technology
A-5	Yashpal Sharma	RPS Degree College	Three Dimensional Nanofibers Based on Stimuli Responsive Polymer for Controlled Cell Growth
A-6	Devender Singh	Maharshi Dayanand University	Structural and photoluminescent analysis of trivalent europium doped MLaAl ₃ O ₇ (M = Ba, Ca, Mg and Sr) nanophosphors
A-7	Kuldeep Singh	Maharshi Dayanand University	Photoluminescent Investigations of Europium Doped Sr ₂ Si ₃ O ₈ Nanophosphors for Display Devices
A-8	Sonika Kadyan	Maharshi Dayanand University	Spectroscopic Investigations of SrLaAlO ₄ :Eu ³⁺ Nanomaterials for Full-Color Displays
A-9	Suman Sheoran	Maharshi Dayanand University	Optoelectronic and structural characterization of silicate lattice-based Mg ₃ La ₂ Si ₃ O ₁₂ red phosphors for modern display technology
A-10	Sitender Singh	Maharshi Dayanand University	Optical characteristics of Ca ₂ Y ₂ Si ₂ O ₉ :Eu ³⁺ nanomaterials for innovative displays
A-11	Anuj Dalal	Maharshi Dayanand University	Enhancement Luminescence Characteristics of Terbium(III)-complexes of 2,2,6,6-tetramethyl-3,5-heptanedione (tmhd) and Monodentate Auxiliary Ligands
A-12	Kapeesha Nehra	Maharshi Dayanand University	Synthesis and improved luminescence characteristics of fluorinated Ln ³⁺ compounds for OLEDs applications
A-13	Vinit Kumar	Deenbandhu Chhotu Ram University of Science & Technology	Adsorptive Sequestration of Toxic Dye from water using Zn doped MnO ₂ /CNT Nano composite
A-14	Aruna Yadav	Chaudhary Bansi Lal University	An efficient one step synthesis of 3-(1-naphthyl) and 4-methyl-3-(1-naphthyl) coumarins using dual frequency ultrasonication
A-15	Nisha Bagotia	Chaudhary Bansi Lal University	Synergistic effect of graphene/multiwalled carbon nanotube hybrid fillers on electrical and EMI shielding properties of polycarbonate/ethylene methyl acrylate nanocomposites
A-16	H V Pant	SGRR (PG) College	Catalysis, Intermediates and Characterization: An overview
A-17	Renu Saraswat	Meerut college	Extraction methods and Analytical techniques for Screening of Phytochemicals from plants

A-18	Babita Veer	Delhi Technological University	Spectroscopic studies of metalloflavin complexes in different solvent systems
A-19	Yogesh Tilak	Indian Oil (Vadodara), Guj Refinery	Detection and quantification of formaldehyde impurity in mono-ethylene glycol (MEG) by Static Head- space Gas Chromatography
A-20	Dushyant	RPS Degree College	Sulfur based polymer as a feedstock for polymeric material of bullet proof jackets
A-21	Jitender Jindal	RPS Degree College	Surface characteristic and corrosion resistance properties of anodic oxide film on valve metals
A-22	Shweta Hegde	SABIC Technology Center	Continuous reaction monitoring through online infrared tools
A-23	Kumar Gaurav	Amity University	Microwave-assisted Transesterification of Non-edible oil for Production of Biodiesel
A-24	Abha Awasthi	Meerut college	Diuretic Contents in Plants and Techniques for Phytochemical Analysis
A-25	Arpit Sand	Manav Rachna University	Synthesis of biodegradable hydrogels PAAc by Inverse suspension polymerization
A-26	Kamal Kant Singh	Deenbandhu Chhotu Ram University of Science & Technology	Synthesis and Characterization of Mesoporous Biochar from Mushroom for Electrode material Application
A-27	Nisha	Indian Institute of Petroleum (CSIR)	Desulfurization of fuels using deep eutectic solvents based on tetraethylene glycol via solvent extraction route
A-28	Deepali Ahluwalia	Delhi Technological University	Exploring m-benziporphodimethene and its derivatives using Density Functional Theory
A-29	Jaya Tuteja	Manav Rachna University	Selective Oxidation of 1,6-Hexanediol to 6--Hydroxycaproic acid using H ₂ O ₂ as Oxidant over Heterogeneous Catalyst
A-30	Monika Dubey	Amity University	Removal of 2,4-dichlorophenol Using α -MnO ₂ Loaded Sodium Alginate Beads
A-31	Sudhish Kumar Shukla	Manav Rachna University	Effect of water soluble polymeric materials on the mild steel corrosion in acidic media
A-32	Priyanka Agarwal	DIT University	Strategic Applications and Development of Green Multifunctional Additives for Lubricating oils
A-33	Richa Srivastava	Delhi Technological University	HPTLC Assisted Quantification of Selected Psychoactive Substances
A-34	Rohit Verma	Govt. (PG) College	Aqueous phase removal of Acid Orange using <i>Xanthium</i> based bioadsorbent
A-35	AK Gupta	Manav Rachna University	Remediation of Polycyclic Aromatic Hydrocarbons by Green Adsorbents Using Ultrasound: A Case Study
A-36	Prashant Kumar	RPS Degree College	Efficient Resonance Energy Transfer between Organic Fluorophores and Lanthanide ion in Aminoclay based Gel
A-37	Meenakshi Sharma	Deenbandhu Chhotu Ram University of Science & Technology	Biological Importance of 3- substituted chromone derivatives in medicinal field
A-38	Kranti Jakhar	Deenbandhu Chhotu Ram University of Science & Technology	Synthesis and Optical Properties of Europium based SSPO Phosphor

A-39	Manish Kumar Sharma	Deenbandhu Chhotu Ram University of Science & Technology	Synthesis and antimicrobial activities of chalcones containing amide linked 1,4-disubstituted 1,2,3 triazoles
A-40	Ram Janam Singh	Indian Oil (Barauni Refinery)	Advances in Refining Catalysts: Stability and Reactivity
A-41	Shreya Kotnala	Graphic Era University	Development of magnetic-biochar nano-composite from sawdust: assessment of its physico-chemical properties
A-42	Dhirendra Brahmchari	Delhi Technological University	The role of analytical techniques in the synthesis of Isoindolin-1-ones.
A-43	Rakhi Mishra	Amity University	High Performance thin-layer chromatography and UV spectroscopy: The perfect analytical tool for standardization of Homoeopathic drug: Digitalis purpurea
A-44	Kritika	Amity University	Coumarin Derivatives based Fluorescent Dyes
A-45	Priyanka Luthra	Indian Oil (R&D)	Preparation and studies of Polypropylene/Pigeon Pea Stalk Composite
A-46	Samya Mairaj	Amity University	Arsenic caused carcinogenesis and its perspectives
A-47	Amit Lochab	University of Delhi (Kirori Mal College)	Electrochemical Sensor for Thallium based on ITO Electrode Fabricated with 3-amino-1,2,4-triazole-5-thiol Modified MWCNTs in Water
A-48	Megha Saxena	Amity University	Fast and Efficient Removal of Crystal Violet Dye from Industrial Water Samples using Modified Nanomaterial as Solid Phase Extractant with Flow-injection Spectrophotometric
A-49	Mahima Srivastava	DBS College	Corrosion inhibition of mild steel using Seed extract in Hydrochloric Acid environment
A-50	Rani Alka	Hindu College	Exposure to Heavy Metal Cadmium in the work environment of electronic waste
A-51	Anshu Gupta	Guru Gobind Singh Indraprastha University	Assessment of the impact of secondary drains in water quality deterioration of Najafgarh drain in Delhi
A-52	Vartika	Rajiv Gandhi Institute of Petroleum Technology	Green route synthesis of Mn ₃ O ₄ nanoparticles and its role as a catalyst for degradation of dyes
A-53	Y S Jhala	Indian Oil (Gujrat Refinery)	Study of the significant reduction in research octane number of Motor gasoline and effective blending RON due light effect
A-54	Mamta Kumari	Indian Oil (Gujrat Refinery)	Improved analytical technique for determination of process Leak by using phenol with FT-IR determination of reaction effluent
A-55	Richa Nagar	Amity University	Thiolic regulation of Arsenic caused cellular injury: An insight
A-56	Dinesh Kumar	Kishan Lal Public College	A green synthesis of 3-(4-Aryl-3-cyano-2-methoxy-pyridin-6-yl) tropolones under solvent free conditions using grinding technique
A-57	Ram Babu Pachwarya	University of Delhi	Application Of MBIR Doewx-11 For Treatment Of Textile Effluent Ram Babu Pachwarya
A-58	Kalawati Saini	University of Delhi (Miranda House)	ZnO nanoparticles synthesized with extract of leaves of Azadirachta indica : Induce apoptosis in human lung cancer cells
A-59	Ravinder Kumar	Gurukula Kangri Vishwavidyalaya	Oxidation of aromatic hydrocarbons using copper(II) complexes of a benzimidazolyl ligand

A-60	Khushbu	Delhi Technological University	Fabrication and assessment of a Novel Biodegradable biopolymers based hydrogel for the application in the agricultural field
A-61	Ruby Aslam	Aligarh Muslim University	N-heterocyclic compound as corrosion inhibitor for mild steel in hydrochloric acid medium
A-62	Sapna Chaudhary	DIT University	Synthesis and Application of Eco-friendly Aerogels from Waste Organic biomass
A-63	Ritika Kubba	Delhi Technological University	Corrole- an excellent chemosensor for the detection of fluoride ions
A-64	S K Senapati	Indian Oil (MKTG, Bhubaneswar)	A Study on solid heterogeneous catalyst derived from natural resources for biodiesel production
A-65	Sachin Kumar	Delhi Technological University	Unexpected Structure of Cationic Water-Soluble Porphyrin: Tetra-(trimethylammoniumphenyl)porphine Iodide
A-66	Ajay Kumar	SABIC Technology Center	Temperature Program Reduction (TPR) Study of Iron Oxide Based Catalysts
A-67	Raman Saini	G.G.D.S.D. College	Photovoltaic performance and impact of electrolyte on nano-titania based DSSCs
A-68	Arun K Sikder	SABIC Technology Center	Quantification of Fine Scratch like Surface Defects using Two-Camera System
A-69	Zeenat Sheerazi	Jamia Millia Islamia	Functionalized bimetallic oxide nanoparticles as an adsorbent for the removal of synthetic dyes from water
A-70	Shri Bhagwan	Govt. College	Luminescence Characteristics and Computational Investigations of Be(II) complexes as Light Emissive Materials
A-71	S.Chhikara	Maharshi Dayanand University	Bioremediation of Zn(II) ions from Electroplating Industrial Effluent by Using Immobilized Yeast Biosorbent
A-72	Hemant Dubey	Banaras Hindu University	Structural, magnetic and dielectric properties of Mn doping cadmium ferrite nanoparticles prepared via sol gel route
A-73	Nida Fakhar	Jamia Millia Islamia	Efficient Adsorbent Derived from Waste Biomass for the removal of Nile Blue: A cationic dye from Aqueous solution
A-74	Vishakha Chaudhary	University of Delhi	Design, Synthesis and evaluation of BBB permeable ferrocene conjugated radioligand ^{99m} Tc-Fc-MPP(DTC) as SPECT imaging neurotracer
A-75	Sayima Nabi	Jamia Hamdard	Effect of monosodium glutamate induced obesity in neonatal Wistar rats
A-76	Birbal Bajja	Indian Oil (Mathura)	Quantitative analysis of Phosphorus containing Nucleating agent in Polymer resin by ICPMS
A-77	Richa Pandey	DIT University	Synthesis and Characterisation of graphene oxide prepared by modified Hummer's method
A-78	P K Mahendra	Indian Oil (R&D)	Correlation Analysis of Opportunity Crude through Simdist & Laboratory Distillations
A-79	Rajesh Kumar	RPS (P.G.) College,	Factor analysis and linear regression model (LRM)of metal content and physico-chemical characters of groundwater samples of Gurugram (Haryana)
A-80	Neerja Kalra	Govt. College	Ground water pollution and its dental and skeleton problems due to presence of fluoride content in Mahedergarh, Haryana

A-81	Anju Wadhwa	University of Delhi (DCRS, INMAS DRDO)	Physiochemical Evaluation of Macrocyclic Based Analogue Eu-DO3AM & Eu-DO3A for targeting Different kind of Neuro-receptor by Optical Spectroscopy
A-82	Rakesh Kumar	University of Delhi	Design, synthesis and anticancer activity of triazole tethered isatin hybrids
A-83	Mayanglambam Ramananda Singh	University of Delhi (Kirorimal College)	Cu -CuFe2O4 nanocomposite as efficient catalyst in Oxygen Evolution Reaction
A-84	Kalpana Chauhan	Central University of Haryana	Mesopores Tanninate-Chitosan for Water Application
A-85	Parveen Gahlyan	University of Delhi	Triazole-tethered rhodamine based dual sensor for recognition of Cu ²⁺ and Fe ³⁺
A-86	Indu Kaushal	Deenbandhu Chhotu Ram University of Science & Technology	Fabrication of Graphene based nano composite for energy storage applications
A-87	Deeksha Yajurvedi	RGPG College	Applications of Biosurfactants for cleaner environment: an Emerging Green Technology
A-88	Maya Chakradhar	Indian Oil (R&D)	Detailed characterization of injector deposit due to fuel contamination
A-89	Priyanka Arya	Jamia Hamdard	TLR-2/NF- κ B signaling pathway mediates atherosclerosis associated with high fat diet and microbial component, zymosan A in C57BL/6 mice
A-90	Priyanka Bansal	Jamia Hamdard	Extraction and isolation of embelin from Embelia ribes and its effect on TLR-4 via molecular docking
A-91	Loveneesh Kumar	University of Delhi	Cerium Based Catalyst: Application in Organic Reactions
A-92	Vishrut Chaudhary	D.N College	Analysis of vibrational spectra of 4, 5-difluoro-2-nitro-aniline based on density functional theory calculations.
A-93	Deenan Santhiya	Delhi Technological University	Bioactive glasses – a third generation biomaterials
A-94	Priyanka Verma	Doon University	Microbial fuel cells as a bio-electrochemical system for energy generation through wastewater
A-95	Manisha Singhal	RGPG College	Synthesis and Medicinal Importance of Benzoxazine, Benzoxazinone and their Derivatives: A short review
A-96	Deepak Kr. Gautam	Meerut College	Synthesis and Characterization as antifungal activity of benzothiazolyl, azetidinone derivatives
A-97	Nida Naaz	Amity University	Green synthesis of Silver nanoparticles by Murray Koenigii L. Spreng
A-98	Mayuri	Shriram Institute for Industrial Research	Comparative Study of LED Curable and Self-Curable Dental Resin
A-99	Amita	RPS Degree College	Designing of Variable Regulated Power Supply
A-100	Anshu	RPS Degree College	Unijunction Transistor (UJT) as a Relaxation Oscillator
A-101	Asha	RPS Degree College	Crystallographic Defects: An Overview

A-102	Deepika	RPS Degree College	Comparing the Thermal Conductivity Enhancement of Ethylene Glycol based Nanofluids by Metal Oxide Nanostructured Materials
A-103	Jitender Singh	RPS Degree College	Energy Storage Devices based on Nanomaterials: Case Study on High Performance Supercapacitors
A-104	Muskan Maan	RPS Degree College	New Insights into Power Metal Oxide Semiconductor Field Effect Transistor (MOSFET)
A-105	Muskan Maan	RPS Degree College	Polymorphism in Metal Oxides Nanomaterials
A-106	Neetu	RPS Degree College	Probing on crystallographic representation of Patterson Densities in α -Fe ₂ O ₃ using VESTA software
A-107	Sangeeta	RPS Degree College	Digital Logic Gates: Circuit Symbols, Truth Tables and Circuit Designing
A-108	Shashank Sharma	RPS Degree College	Shift in Photoluminescence Peaks of One-Dimensional (1-D) Metal Oxide Nanostructures: Case Study on Nanotubes
A-109	Vikash	RPS Degree College	Variation of Density of States with Size of Crystals
A-110	Vishakha	RPS Degree College	Study on Fundamental Particles: A Brief Introduction
A-111	Vishal Tiwari	RPS Degree College	Superconductivity: A Brief Introduction
A-112	Bhanu Prasad Vempatapu	Indian Institute of Petroleum (CSIR)	Analytical methodology for determination of individual polycyclic aromatic hydrocarbons in used engine oils
A-113	Gita Rani	Chaudhary Devi Lal University	Thermal studies of Chemically Synthesized doped Polyaniline (PANI) composites
A-114	Monika	Chaudhary Bansi Lal University	Structural and Thermal behavior of Polypyrrole and its dopants with transition metal
A-115	Alok Yadav	RPS Degree College	Conducting Polymer Composites as Advanced Electrode Material for Supercapacitor
A-116	Aashima	RPS Degree College	Comparison of the Cytotoxicity Behavior of Poly(N-isopropylacrylamide) hydrogels and Fibers
A-117	Pallavi	RPS Degree College	Synthesis and Characterization of Poly(N-isopropylacrylamide) Nanofibers for Controlled Cell Growth: A Review
A-118	Pushpa Yadav	RPS Degree College	Activated Carbon for the Removal of Dyes from Waste Water: A Review
A-119	Vrushali Shirke	TOTAL Technical Center Asia Pacific	Structural Characterization of Petroleum Products using Two Dimensional Gas Chromatography and its correlation with properties, performance and stability
A-120	Manohar Lal	University of Delhi (Zakir Husain Delhi College)	Reversed phase high-performance liquid chromatographic enantioseparation of (RS)-Mexilitine using Marfey's reagent variants containing chiral amines
A-121	Himanshu Atheaya	Indian Oil (Mathura)	Calibration of On-line Analyser at Refinery Penex Unit by in house developed Secondary Reference Material
A-122	Shivani Shiva	Amity University	Industrial waste nitroarenes for the synthesis of high valued amines
A-123	Punam Rani	Manav Rachna University	Pretreatment of lignocellulosic biomass:an approach for enhancement of biomethane production

A-124	Mandeep Kaur	National Institute of Technology	Synthesis, spectroscopic characterization and α -amylase inhibition studies of Vanadyl chalcone complexes
A-125	Vanita Kumari Sapra	G.G.D.S.D. College	The Scavenger of Green Hosue emission
A-126	Sanju Agrawal	Govt. College	Effect of micellar catalyzed hydrolysis of Mono Diphenyl phosphoramides
A-127	Buddhadeb Chandra	Defence Research and Development Establishment	Salting-out Assisted Dispersive Derivatization Liquid-Liquid Extraction: A novel approach for the extraction and enrichment of blister agents metabolite from human urine
A-128	Anuj Mittal	Maharshi Dayanand University	Energy efficient photocatalytic removal agrochemical pollutant using binary and ternary TiO ₂ composite under visible light irradiation
A-129	Kavitha Kumari	Deenbandhu Chhotu Ram University of Science & Technology	Study of speed of sound and Isothermal Compressibilities of di-N-Butyl amine + methanol or ethanol binary mixtures in the temperature range 298.15 K to 318.15 K
A-130	Naveen Kumar	Maharshi Dayanand University	Hydrothermally synthesized ZnO/CuO nano-composite and their photocatalytic activity
A-131	Meenu Aggarwal	Aggarwal College	Bio-Inspired Approach with Nanotheranostics as a potential tool in advanced therapeutic applications
A-132	Sharique A. Ali	Saifia Science College	Use of analytical techniques for the scientific validation of phytochemicals having melanocyte regeneration potential
A-133	Rajesh Kumar Sharma	Banaras Hindu University	Synthesis, crystal structure, bioactivity and DFT calculation of novel benzamido-coumarin derivatives
A-134	Shailza Sharma	National Institute of Technology	Development Of A Catechol Based Dipodal Ligand And Its Coordination Behaviour With The Trivalent Metal Ions: Experimental And DFT Approach
A-135	Vijay Dangi	National Institute of Technology	A Novel Dipodal Scaffold As An Efficient Fluorescent Sensor For Fast And Selective Detection Of Na(I)
A-136	Sravan B	Indian Oil (R&D)	Estimation of Styrenics and Indenics in Fluid Catalytic Cracking (FCC) Products (LCN & HCN) by GC-MS Technique
A-137	AB Vysakh	Indian Oil (R&D)	Microwave assisted single-stage sample preparation for the trace level impurities analysis in Carbon-Lead electrode hybrid materials using ICP-OES
A-138	Ravindra Singh	Indian Oil (R&D)	Trace level estimation of Drag Reducing Agent (DRA) in IOC pipeline's Aviation turbine fuel (ATF) by modified ASTM7872
A-139	Sunil Iyer	SKYTECH SYSTEMS (INDIA) PVT.LTD	Latest Innovation in Elemental Analysis
A-140	Jyoti	Delhi Technological University	Applications of Cobalt-Corrole Catalyst for Oxygen Evolution and Hydrogen Production
A-141	Deepak Vats	Deenbandhu Chhotu Ram University of Science & Technology	A convenient synthesis and electrochemical activities of 1,3,4-oxadiazole derivatives
A-142	Debasish Banerjee	SABIC Technology Center	NMR : A robust tool towards structure Property Study
A-143	Mansi Shelke	Borosil Glass Works Limited	Challenges in Nitrogen Estimation by Kjeldahl Method in the Laboratory
A-144	Dr. Kanhu Charan Rout	RPS Degree College	Designing of metal-organic framework (MOF)@Polybenzimidazole hollow fiber membranes for petroleum vapor recovery

A-145	Dr . S.K.Pramanik	GAIL (India) Limited	Sulphide Removal in Petrochemical Wastewater using Undesirous Co2
A-146	Krishnarao Lopinti	Indian Oil (R&D)	Correlation studies of ASTM test methods for determining oxidation stability of gasoline and ethanol blended gasoline
A-147	S. K. Sengupta	D.D.U. Gorakhpur University	Synthesis, Characterization and Antimicrobial Activities of Organozirconium(IV) Complexes with 5-aminotetrazole Schiff bases
A-148	Dr. Neha Batra	Aggarwal College	Synthesis and in-vitro antimalarial efficacy of sulfonamide based coumarin-[1,2,3]-triazole conjugates
A-149	Chander Attri	Aggarwal College	1,2,4-triazoles and their biological applications
A-150	Naresh Tanwer	Aggarwal College	Physiochemical analysis of groundwater samples of Panipat in HARYANA, India.
A-151	Geeta Rathi	Aggarwal College	Antimalarial Drugs
A-152	Manshi Tyagi	Aggarwal College	Sulfonamides: The Biological Significance
A-153	Barun Aggarwal	BreatheEasy Consultants Pvt Ltd	Importance of Indoor Air Quality in Labs
A-154	Monika	Chaudhary Devi Lal University	Structural and thermal behavior of Polypyrrole and its dopants with transition metal
A-155	Archana Agarwal	GGSIPU	Municipal Solid Waste Problems and Management of Rising Mess around Ghazipur Landfill - A Review
A-156	TBD	Agilent	TBD