

Program Schedule for RDC-2021

Mode of Conference: Online

Platform: Microsoft Team and Online Streaming on YouTube

Joining Links will be sent to individual email address directly and can also be found in Annexure IV of this proceedings

Day 1 (03.03.2021)

9.30-9.45 AM	<i>Inauguration programme</i> Welcome Address by Prof. R. N. Saha, HOD Chemistry, NITDGP Welcome address by Chief Guest Prof. A. K. Meikap, NITDGP
Day 1 Session I	Session Chair: Prof. R. N. Saha (HOD, Chemistry, NITDGP)
9.45-10.35 AM	<i>Plenary talk</i> by Prof. P. Ghosh, School of Chemical Sciences, Indian Association for the Cultivation of Science Topic: Transition Metal Ion Templated Interlocked Molecules
10.35-10.45 AM	Tea Break
Day 1 Session II	Session Chair: Prof. K. Ghosh (IIT Roorkee)
10.45-11.35 AM	Invited Speaker: Prof. S. C. Moi, Department of Chemistry, NITDGP Topic: Pt(II) based anticancer drug design and drug development
11:35 - 12:25 PM	Invited Speaker: Prof. D. Maiti, Department of Chemistry, IIT Bombay Topic: Photoinduced regioselective manipulation at proximal and distal sites
12.25-1.25 PM	Lunch Break and Poster Session
Day 1 Session III	Session Chair: Prof. W. Linert, Vienna University of Technology, Vienna, Austria, Europe
1:30-2:20 PM	Invited Speaker: Prof. R Banerjee, Department of Chemical Sciences, Indian Institute of Science Education and Research (IISER) Kolkata Topic: Porous Framework Materials: Spheres Films and Membranes
2:25-3:25 PM	Slot 1 (3x20 min talks by Faculties and Scientists) <i>Please see Annexure I for more details</i>
3:25-4:00 PM	Tea Break and Poster Session
Day 1 Session IV	Session Chair: Prof. A. K. Patra, Department of Chemistry, NITDGP
4:00-5:00 PM	Slot 2 (3x20 min talks by Faculties and Scientists) <i>Please see Annexure I for more details</i>
5:15-6:15 PM	Slot 3 (3x20 min talks by Faculties and Scientists) <i>Please see Annexure I for more details</i>
Day 1 Session V	Session Chair: Department of Chemistry Faculties
6.30-7.30 PM	10 min Short Oral presentation in parallel mode <i>Please see Annexure II for more details</i>

Day 2 (04.03.2021)

Day 2 Session I	Session Chair: Prof. Amit Basak (Department of Chemistry, IITKGP)
9.00-9.45 AM	Invited Speaker: Prof. Sanku Mallik, Department of Pharmaceutical Sciences, North Dakota State University, Fargo, North Dakota, USA. Topic: Polymer nanoparticles for drug delivery to hypoxic solid tumors
9.45-10.35 AM	Invited Speaker: Prof. Tadhg P. Begley, Department of Chemistry, Texas A&M University, USA Topic: Riboflavin Catabolism: the destruction of an icon
10.35-10.45 AM	Tea Break
Day 2 Session II	Session Chair: Prof. Pranab Sarkar (Visva Bharati)
10.45-11.35 AM	Invited Speaker: Prof. T. Pradeep, Department of Chemistry, IITM Topic: Yet to be decided
11:35 - 12:25 PM	Invited Speaker: Prof. P. S. Mukherjee, Inorganic and Physical Chemistry Department, Indian Institute of Science, Bangalore Topic: Molecular Vessels
12.25-1.25 PM	Lunch Break and Poster Session
Day 2 Session III	Session Chair: Prof. P. Kumbhakar, Department of Physics, NITDGP
1:30-2:20 PM	Invited Speaker: Prof. S. K. Pal, Department of Chemical, Biological & Macromolecular Science, S. N. Bose National Centre for Basic Sciences Topic: Application-driven Basic Research for Atmanirbhar Bharat
2:25-3:25 PM	Slot 4 (3x20 min talks by Faculties and Scientists) <i>Please see Annexure I for more details</i>
3:25-4:00 PM	Tea Break and Poster Session
Day 2 Session IV	Session Chair: Prof. S. C. Moi, Department of Chemistry, NITDGP
4:00-5:00 PM	Slot 5 (3x20 min talks by Faculties and Scientists) <i>Please see Annexure I for more details</i>
5:15-6:15 PM	Slot 6 (3x20 min talks by Faculties and Scientists) <i>Please see Annexure I for more details</i>
Day 2 Session V	Session Chair: Department of Chemistry Faculties
6.30-7.30 PM	10 min Short Oral presentation in parallel mode <i>Please see Annexure II for more details</i>

Day 3 (05.03.2021)

Day 3 Session I	Session Chair: Prof. Prof. S. S. Mukhopadhyay (Department of Biotechnology, NITDGP)
9.00-9.45 AM	Invited Speaker: Dr. R. P. Mukherjee, Senior Scientist, Pfizer, USA. Topic: Role of strategic upstream process choices and in-silico computational modelling in tailoring bioseparation
9.45-10.35 AM	Invited Speaker: Prof. Bansidhar Datta, Chemistry and Biochemistry, Kent State University, USA Topic: Suppression of Tumor Growth via Gene Transfer
10.35-10.45 AM	Tea Break
Day 3 Session II	Session Chair: Prof. D. Sukul, Department of Chemistry, NITDGP
10.45-11.35 AM	Invited Speaker: Prof. Anindya Datta, Department of Chemistry, Indian Institute of Technology Bombay Topic: From fluorogens to fluorophores by complexation and self assembly
11:35 - 12:25 PM	Invited Speaker: Samaresh Bhattacharya, Department of Chemistry, JU Topic: Synthesis of platinum metal complexes and their utilization in catalysis
12.25-1.25 PM	Lunch Break and Poster Session
Day 3 Session III	Session Chair: Dr. R. S. Dey, Department of Chemistry, INST Mohali
1:25-2:25 PM	Slot 7 (3x20 min talks by Faculties and Scientists) <i>Please see Annexure I for more details</i>
2:25-3:25 PM	Slot 8 (3x20 min talks by Faculties and Scientists) <i>Please see Annexure I for more details</i>
3:25-4:00 PM	Tea Break
Day 3 Session IV	Session Chair: Prof. R N Mukherjee (IITK)
4:00-5.00 PM	Keynote Speaker: Prof. Jean-Marie Lehn, ISIS, Université de Strasbourg, France Topic: Perspectives in Chemistry: From Supramolecular Chemistry towards Adaptive Chemistry
6.00PM	Valedictory session And Vote of Thanks

Annexure I**20 min talks by Faculty members and Scientists**

Slot 1 (2:25-3:25 PM on March 3, 2021)			
Time	Name of the Speaker	Institute/University	Topic
2.25-2.45 PM	Prof. Srabani Taraphder	IIT Kharagpur	Coordination Dynamics of Zinc Ion and Catalysis by Human Carbonic Anhydrase II
2.45-3.05 pm	Dr. Rajesh K. Murarka	IISER Bhopal	Effects of polyunsaturated fatty acid on membrane-bound monomeric α -synuclein implicated in Parkinson's disease
3.05-3.25 pm	Dr. S Pan	IIT Guwahati	Metal Free Synthesis of Cyclic Molecules
Slot 2 (4:00-5:00 PM on March 3, 2021)			
4.00-4.20 pm	Dr Joyanta Choudhury	IISER Bhopal	Leveraging Metallotropism and Bifunctionality on Cobalt-Protic NHC Platform
4.20-4.40 pm	Dr. Kaushik Ghosh	Nagoya University, Japan	Vinylene carbonate: An Acetylene Surrogate in Transition Metal Catalysis
4.40-5.00 pm	Dr. Sounak Roy	BITS Pilani Hyderabad	From Trash to Treasure: A tale of anthropogenic carbon neutral cycle
Slot 3 (5:15-6:15 PM on March 3, 2021)			
5.15-5.35 pm	Dr. Debashis Haldar	IISER Kolkata	Smart assembly of discotic tripeptides: the effect of amide bond orientation and symmetry
5.35-5.55 pm	Dr. Santanu Panda	IIT Kharagpur	Transition Metal Free Synthesis of Heterobiaryls using 1,2-Migration of Boronate Complex
5.35-6.15 pm	Dr Charles Deckard	Texas A&M University, Tx, USA	Molecular Level Insights into the Functional Relationship Between Chromatin Structure and Thymine DNA Glycosylase
Slot 4 (2:25-3:25 PM on March 4, 2021)			
2.25-2.45 pm	Dr. Rabindra Kumar Behera	NIT Rourkela	Iron Mobilization from Intact Ferritin Protein Nanocage: The Role of Electron Relay Molecules
2.45-3.05 pm	Dr. Nilkamal Mahanta	IIT Dharwad	Enzyme catalyzed thioamidation of peptide backbones
3.05-3.25 pm	Dr. Biplab Maji	IISER Kolkata	Taming the Manganese Complexes for Hydrogen Transfer Catalysis
Slot 5 (4:00-5:00 PM on March 4, 2021)			

4.00-4.20 PM	Dr. Diganta Sharma	Dibrugarh University	Development of novel quinazolinone analogues as potent anti-tubercular agent
4.20-4.40 pm	Dr. Swati Dey	Kalyani University	Multifunctional Role of Liposome-mimicking Vesicles – Potential Nanoreactors and Effective Storehouses for Hemoglobin
4.40-5.00 pm	Dr. Mainak Banerjee	BITS Pilani Goa	Scope of Mechanochemistry in Construction and Derivatization of Heterocycles: From Simple Cyclocondensation to C-H Bond Activation using
Slot 6 (5:15-6:15 PM on March 3, 2021)			
5.15-5.35 pm	Dr Abhijit Patra	IISER Bhopal	Connecting the dots: preporous molecules to porous organic polymers
5.35-5.55 pm	Dr. Narendra Nath Ghosh	BITS Pilani Goa	Development of Novel Synthesis Route to Prepare Nanocomposites as Active Electrode Materials for Fabrication of High Performance Flexible All-Solid-State Supercapacitor Device
5.35-6.15 pm	Dr. P. Kumbhakar	NITDGP	Synthesis, linear and nonlinear optical properties of some 2D layered nanostructured materials
Slot 7 (1.25-2.25 PM on March 3, 2021)			
1.25-1.45 PM	Empty Slot		
1.45-2.05 PM	Dr. Iti Gupta	IIT Gandhinagar	Sugar Conjugated Porphyrins and BODIPYs for PDT Applications
2.05-2.25 PM	Dr. Amrita Chakraborty	BITS Pilani, Pilani	Evidence of halogen bonding interaction between diiodomethane (CH ₂ I ₂) and dimethyl sulfide (DMS): A cryomatrix infrared and quantum chemical studies
Slot 8 (2.25-3.25 PM on March 3, 2021)			
2.25-2.45 PM	Dr. Md Mehboob Alam	IIT Bhilai	Channel interference and multiphoton absorption process
2.45-3.05 PM	Dr P C Sharma	Cotton University, Guwahati	DT 50 of a few selected PAH in soil -a GLC and HPLC analytical study
3.05-3.25 PM	Prof. Chayan K. Nandi	IIT Mandi	Paving the Path to the Future of Carbogenic Nano Dots

10 min Short Oral presentation (Annexure II)

Sl. No	Participant's name	Institute / University	Abstract Title	Time slot in parallel session
O-1	Dr. Ujjal Kanti Roy	Kazi Nazrul University	Sono-chemically Synthesized Spin-canted CuFe ₂ O ₄ Nano-particles for Heterogeneous Green Catalytic Reactivity	Day1 S1 6:30-6:40 p.m
O-2	Dr. Sutapa Adhikari Mazumder	Bidhan Chandra College, Asansol,	Cell wall polysaccharideS from Gracilaria corticata: Isolation, purification and antiviral activity	Day1 S1 6:40-6:50 p.m
O-3	Ashmita Biswas	Institute of Nano Science and Technology, Mohali	A No-Sweat Exfoliation Technique of Graphene-Macrocycle Co-assembly Synthesis for Bifunctional Oxygen Reduction and Ambient Ammonia Synthesis	Day1 S1 6:50-7:00 p.m
O-4	Nishithendu Bikash Nandi	National institute of technology Agartala	Synthesis, characterization and magnetic study of teranuclear copper(II) Cu ₄ O ₄ Cubane like framework with an anionic deprotonated tridentate ligand, 1,3-dimethyl-5-(o-phenolate-azo)-6-aminouracil	Day1 S1 7:00-7:10 p.m
O-5	Chandreyee Datta	National Institute of Technology Durgapur	Role of IL-2R α as a critical determinant factor in the alternative activation of monocytes and monocyte-macrophage differentiation.	Day1 S1 7:10-7:20 p.m
O-6	Pranay Sharma	Cotton University	Supramolecular Assemblies in Oxalato Bridged Mn(III) Polymer involving Unconventional O \cdots π -hole(nitrile) Contact: Antiproliferative Evaluation and Theoretical Studies	Day1 S1 7:20-7:30 p.m
O-7	Gourab Mukherjee	IIT Guwahati	Interplay Between Steric and Electronic Effects for Synthetic Non-Heme Iron(IV)-oxo Model Systems	Day1 S2 6:30-6:40 p.m
O-8	Satyadeep Waiba	IISER Kolkata	Manganese Catalysed α -Alkylation of Ketones with Secondary Alcohols	Day1 S2 6:40-6:50 p.m
O-9	Nandagopal Hudait	WEST BENGAL STATE UNIVERSITY	Journey towards the synthesis instead of an novel C ₂ -symmetric macrocycles	Day1 S2 6:50-7:00 p.m
O-10	Samuzal Bhuyan	Sikkim University	Diversity Oriented Synthesis, a planning strategy towards drug discovery	Day1 S2 7:00-7:10 p.m

O-11	Peetam Mandal	National Institute of Technology Agartala	Low-temperature synthesis of graphene and its derivatives from carbohydrates and organic acids	Day1 S2 7:10-7:20 p.m
O-12	DEEPTHI RAMESH	PONDICHERRY UNIVERSITY, INDIA	Design and synthesis of indole chalcones and their potential application against Mycobacterium tuberculosis and SARS-CoV-2	Day1 S2 7:20-7:30 p.m
O-13	Ayyanar B	Pondicherry University	Stilbene containing sulfonated polyimide membranes as proton exchange membranes in fuel cell applications	Day1 S3 6:30-6:40 p.m
O-14	Koushik Ghosh	Nagoya University	Vinylene carbonate: An Acetylene Surrogate in Transition Metal Catalysis	Day1 S3 6:40-6:50 p.m
O-15	Subhamoy Char	IIT Kanpur	On the complex structure and phase boundaries in Fe-Al binary alloys	Day1 S3 6:50-7:00 p.m
O-16	SUPARNA PAUL	CSIR-Central Mechanical Engineering Research Institute (CMERI)	A prolific sensory receptor for chromogenic detection of Cu ²⁺ from real water sources and bio-fluids with profound application in RGB based sensory prototype for environmental monitoring of lethal CN ⁻	Day1 S3 7:00-7:10 p.m
O-17	ANJANEYULU BENDI	Faculty of Science	Synthesis, Characterization, Invitro Evaluation and DFT studies of Novel Glycoside Hybrid Phosphorylated / Thio Phosphorylated 1,2,3-triazole Derivatives: Click Chemistry Approach	Day1 S3 7:10-7:20 p.m
O-18	M SURYA SHANKAR VINOD MOULI	Indian Institute of Technology Hyderabad	Investigating structural aspect of the Metal-Flavin Coordination Polymers	Day1 S3 7:20-7:30 p.m
O-19	SUJAY MAHATA	National Institute of Technology Durgapur	Synthesis, Characterization, Kinetics and Mechanism of Pt(II)-Sulfur complexes and their bioactivity and DNA binding properties: an experimental and theoretical study	Day2 S1 6:30-6:40 p.m
O-20	Animesh Kundu	IIT Kharagpur	A Molecular Ruthenium(III) Complex Supported by Anionic, Redox-Non-Innocent Ligand: Redox Metal-Ligand Cooperativity for an Efficient Water Oxidation Catalysis	Day2 S1 6:40-6:50 p.m

O-21	SURAJIT HAZRA	NIT DURGAPUR	Green Corrosion Inhibitor from Leaves of Hedge Plant for Mild Steel in 1 M HCl Medium	Day2 S1 6:50-7:00 p.m
O-22	JONESWAR BASUMATARY	Sikkim University	Visible light-mediated C-H functionalization of Heteroaromatic compounds via Photoredoxcatalysis	Day2 S1 7:00-7:10 p.m
O-23	Tapashree Mondal	National Institute of Technology Durgapur	Deeper insight into the multifaceted photodynamics of a potential organic functional material emphasizing aggregation induced emission enhancement and its selective screening towards explosive picric acid.	Day2 S1 7:10-7:20 p.m
O-24	VARUN CHAHAL	Department of Chemistry, University of Delhi	Identification of potent human carbonic anhydrase IX inhibitors: a combination of pharmacophore modeling, 3D-QSAR, virtual screening and molecular dynamics simulations	Day2 S2 6:30-6:40 p.m
O-25	Sneha Pisolkar	Savitribai Phule Pune University	Total synthesis of (R)-(+)- γ -Decalactone via asymmetric α -Aminooxylation.	Day2 S2 6:40-6:50 p.m
O-26	PRATIMA DEBNATH	NIT AGARTALA	Synthesis, characterization and molecular structures of organotin (IV) complexes with 4-(4-hydroxynaphthylazo) benzoic acid or 3-(2-hydroxynaphthylazo) benzoic acid	Day2 S2 6:50-7:00 p.m
O-27	Jhuma Debbarma	National Institute of Technology Agartala	Synthesis of N-containing graphene from fruit wastes: mechanism & chemistry	Day2 S2 7:00-7:10 p.m
O-28	ANKIT MITTAL	Department of Chemistry, University of Delhi	A DFT study of the conformational and electronic properties of echinatin, a retrochalcone, and its anion in the gas phase and aqueous solution	Day2 S2 7:10-7:20 p.m
O-29	Navpreet Kamboj	Institute of Nano Science and Technology, Sector-81, Mohali-140306, Punjab, India	High voltage metal-free microsupercapacitor module with highly stable laser-irradiated graphene electrode for integrated energy storage device	Day2 S3 6:30-6:40 p.m

Three Day International Conference on Recent Developments in Chemistry (RDC-2021)

March 3-5, 2021

O-30	Aswathy K R	Department of Civil Engineering, National Institute of Technology, Karnataka India-575025	Degradation of Phenalkamine Condensate by multiple stage Fenton's Oxidation	Day2 S3 6:40-6:50 p.m
O-31	Anju Joshy	Department of Civil Engineering National Institute of Technology, Karnataka Surathkal, India-575025	Treatment of Phenalkamine Condensate: Study using Ozonation and Electrocoagulation	Day2 S3 6:50-7:00 p.m
O-32	<u>Shipra Mukhopadhyay</u>	National Institute of Technology Durgapur	Green corrosion inhibitor from Amaranthus gangeticus extract against mild steel in HCl medium: electrochemical and adsorption studies	Day2 S3 7:00-7:10 p.m

Poster presentation (Annexure III)

Serial No.	Participant's name	University /Institute	Abstract title	Time slot In Parallel Session 1 (S1)
P-1	Abhijit Rudra Paul	TRIPURA UNIVERSITY	Synthesis of Isatin Derived Chromophore for Molecular Recognition	Day 1 Lunch Session
P-2	ALURI RAVALLIKA	BITS PILANI HYDERABAD	CRYSTALLOGRAPHIC STUDIES OF PD, PD-HCl and PD-SA AND THEIR COMPARISON	Day 1 Lunch Session
P-3	Bidya Chakravorty	Cotton University	Cosmetic Ability analysis of a specific soil in terms of Cation Exchange Capacity and Specific Surface Area of particles	Day 1 Lunch Session
P-4	Ipsita Som	National Institute of Technology Durgapur	A critical review on novel eco-friendly green approach to synthesize zinc oxide nanoparticles for photocatalytic degradation of water pollutants	Day 1 Lunch Session
P-5	KAMAL DAS	TRIPURA UNIVERSITY	Mechanistic Study Towards Direct Ester Bond Formation Catalysed by Ionic Liquids	Day 1 Lunch Session
P-6	MOUMI MANDAL	Indian Institute of Engineering Science And Technology, Shibpur	A One-Pot Fluorogenic Cascade Cyclization Reaction <i>via</i> BF ₃ -Sensing	Day 1 Lunch Session
P-7	Subhabrata Mabhai	NIT Durgapur	Azo-Based Single molecular probe for multiple metal sensing	Day 1 Lunch Session
P-8	Simita Das	Indian Institute of Technology, Dharwad	Reconstitution and Mechanistic characterization of the antibiotic promysalin biosynthetic pathway	Day 1 Lunch Session
P-9	Krushnamurthy P H	IIT Dharwad	Studies on the biosynthesis of bottromycin: A promising ribosomal antibiotic	Day 1 Lunch Session
P-10	Debika Gogoi	Birla Institute of Technology and Science, K K Birla Goa Campus	CoFe ₂ O ₄ -gC ₃ N ₄ : A highly Efficient Photocatalyst for Solar Light Irradiated Degradation of Model Dyes and Industrial Dyes	Day 1 Lunch Session
P-11	Priyanka Makkar	BITS Pilani K K Birla Goa campus	Ag-Ni Nanoparticle-Decorated Reduced Graphene Oxide Nanocomposite as an Advanced Cathode Material for High-Performance All-Solid-State Flexible Asymmetric Supercapacitor Device	Day 1 Tea Session
P-12	Subhasis Shit	CSIR-Central Mechanical Engineering Research Institute	Iron-sulfur-based bifunctional electrocatalysts for overall water splitting in alkaline medium	Day 1 Tea Session

P-13	SAIKAT BOLAR	CSIR-Central Mechanical Engineering Research Institute	Doping induce lattice strain, bandgap lowering and active crystal plane formation for advancement MoS ₂ based HER electrocatalyst in acidic and basic pH	Day 1 Tea Session
P-14	SOUVIK GHOSH	CSIR-CMERI	Transition metal chalcogenides with carbonaceous based composite materials for high performance supercapacitor electrode	Day 1 Tea Session
P-15	Sourav Chakraborty	TRIPURA UNIVERSITY	A sustainable synthesis of 4,4'-(arylmethylene)-bis(3-methyl-1-phenyl-1H-pyrazol-5-ol)s in SDS-Ionic liquid micellar system in water	Day 1 Tea Session
P-16	ARIJIT SAHA	PONDICHERRY UNIVERSITY	Charge transfer complexes as colour changing and disappearing–reappearing colour materials	Day 1 Tea Session
P-17	ADITYA SUHASARIA	NIT- Durgapur	Bis-benzothiazoles as efficient corrosion inhibitors for mild steel in aqueous HCl: Molecular structure-reactivity correlation study	Day 1 Tea Session
P-18	SANJOY SATPATI	GOVERNMENT GENERAL DEGREE COLLEGE, TEHATTA	Amino acid and cinnamaldehyde conjugated Schiff bases as proficient corrosion inhibitors for mild steel in 1 M HCl at higher temperature and prolonged exposure: detailed electrochemical, adsorption and theoretical study	Day 1 Tea Session
P-19	Subhadeep Das	IISER Bhopal	No title available	Day 1 Tea Session
P-20	Dr.Shougaijam Premila Devi	Department of Chemistry, University of Delhi	DFT study of metal-free Organic azides addition to C-H bond: Mechanism part-I	Day 1 Tea Session
P-21	srinu kotha	Indian Institute of Technology Hyderabad	Supramolecular depolymerization of the ionic perylene diimide (cPDI) in the mixture of two poor solvents	Day 2 Lunch Session
P-22	DEBASISH DUTTA	Cotton University	Cooperative Ternary $(\pi-\pi)_2/(\pi-\pi)_1/(\pi-\pi)_2$ assemblies and Fascinating Discrete (H ₂ O) ₂₁ Clusters in Isostructural Co(II) and Zn(II) coordination Compounds: Antiproliferative Evaluation and Theoretical Studies	Day 2 Lunch Session
P-23	Amal Das	Cotton University	Cooperative unconventional Hydrogen bonding array and anion- π contacts in Coordination Compounds of Co(II) and Zn(II): Antiproliferative Evaluation and Theoretical studies	Day 2 Lunch Session

P-24	Saikat Mandal	National Institute of Technology Durgapur	Newly designed cis-platin analogous complex: Their synthesis, Characterization, Kinetic aspect, DFT study, DNA binding property and anti-cancer property	Day 2 Lunch Session
P-25	Barnali Deb	Tripura University	Synthesis of Dimethyl Acetal Protected Benzimidazole 2-Carboxaldehydes By Using Task-Specified Ionic-Liquid In Solvent Free Medium	Day 2 Lunch Session
P-26	Ashis Mathuri	NISER	Dithioacetalization or Thioetherification of Benzyl Alcohols by Visible Light Photocatalyst	Day 2 Lunch Session
P-27	PRATIBHA	IIT Ropar	An Efficient Transition Metal-Free HFIP Mediated Organo Chalcogenylation of Arenes/Indoles with Thio-/Selenocyanates	Day 2 Lunch Session
P-28	Abhisek Jana	NIT Durgapur	Computational Investigation on Epigenetics and Identification of potential Inhibitors	Day 2 Lunch Session
P-29	SWAPNADIP ROY	NIT Durgapur	A HIGHLY SENSITIVE AND SELECTIVE FLUORESCENT AND COLORIMETRIC TURN-ON OPTICAL CHEMOSENSOR FOR THE DETECTION OF Hg ²⁺ USING FLUORESCHEIN-THIOPHENE CONJUGATE AND ITS APPLICATION.	Day 2 Lunch Session
P-30	PINKU SARMA	Cotton University	Phenanthroline-based Ni(II) Compounds involving Cooperative π -stacked Ternary Assemblies and discrete Water Clusters: Anticancer Activities and Theoretical Studies	Day 2 Lunch Session
P-31	MIR ASHIQ HUSSAIN	Department Of Chemistry	Two Step , One Pot Sequential Synthesis Of Functionalized Hybrid Polyheterocyclic Scaffolds <i>via</i> Solid State Melt Reaction (SSMR)	Day 2 Tea Session
P-32	Jaydeepsinh Chavda	Indian Institute of Technology Gandhinagar	Vinyl Linked NIR BODIPYs: Synthesis and Biological Studies	Day 2 Tea Session
P-33	Anu	IIT Gandhinagar	Pd(II) Porphyrins as Potent Photocatalyst for Oxidation of Aromatic Aldehyde	Day 2 Tea Session
P-34	Swagata Paul	IIT Kharagpur	Transition Metal Free Synthesis of Heterobiaryls Through 1,2-Migration of Boronate Complex ¹	Day 2 Tea Session
P-35	T Thirupathi Reddy	Pondicherry University	Ruthenium-Catalyzed, Site-Selective C–H Activation: Access to C5-Substituted Azaflavanone	Day 2 Tea Session

P-36	RITUPARNA BHADURI	NATIONAL INSTITUTE OF TECHNOLOGY DURGAPUR	In vitro kinetic based adduct formation mechanism of a cytotoxic Pt(II) complex: DNA/BSA binding, theoretical approach	Day 2 Tea Session
P-37	Morla Jhansi Rani	Pondicherry University	The newly synthesized palladacycle as a precatalyst for the synthesis of 3,4-dihydroisoquinolinone scaffold from N-allyl carboxamides and Bis(pinacolato)diboron via domino Heck/borylation Reactions	Day 2 Tea Session
P-38	T. Leelasree	BITS PILANI, HYDERABAD CAMPUS	MOF based flexible, low-cost chemiresistive device as a respiration sensor for sleep apnea diagnosis	Day 2 Tea Session
P-39	LAKSHMIKANTA MAITY	UTKAL UNIVERSITY, Bhubaneswar	Synthesis, Structure and Catalytic Activity of a Novel Pd(II)-N heterocyclic carbene complex supported by a Tetracoordinate Ligand	Day 2 Tea Session
P-40	TARUN ROY	NIT DURGAPUR	Thermal Rearrangement of 1-Azulenylcarbene on C ₁₁ H ₈ Potential Energy Surface	Day 2 Tea Session
P-41	ABHIMANYU JANA	Indian Institute of Engineering Science and Technology, Shibpur	Picoline based fluorescence 'turn-on' chemosensor for zinc(II) ion recognition, cell imaging and cytotoxicity study: Synthesis, crystal structure, spectroscopy and DFT	Day 3 Lunch Session
P-42	Ambarish Mondal	Utkal University, Bhubaneswar, Odisha, India	Silver(I), Gold(I) and Ruthenium(II)-N Heterocyclic Carbene as Potent Anticancer Drug; Synthesis, Structures and Electrochemistry	Day 3 Lunch Session
P-43	Swarup Kumar Tarai	NIT durgapur	Drug reservoir mechanism of Pt(II)-sulfur chelates based on pharmacokinetics of Pt(II) complex with thiols & thio-ethers biomolecules : an experimental and theoretical approach	Day 3 Lunch Session
P-44	Hiren Nath	Cotton University	Supramolecular Assemblies involving anti-electrostatic hydrogen bonded cationic clusters in Ni(II) 3,5-Dimethyl Pyrazole Complexes: Anticancer Evaluation and Theoretical Studies	Day 3 Lunch Session
P-45	PARESH DEBNATH	NIT AGARTALA	Triphenyltin(IV) complexes with azo-carboxylates: Synthesis, structural characterization, Hirshfeld surface analysis and in vitro-antimicrobial activities	Day 3 Lunch Session
P-46	salman khurshed	aligarh muslim university	Copper (II)- based halogen -substituted chromone antitumor drug entities : Studying biomolecular interactions with ct-DNA mediated by sigma hole formation and cytotoxicity activity.	Day 3 Lunch Session
P-47	Shariq Yousuf	Aligarh Muslim University	Functionalized Graphene oxide loaded Cobalt oxide Umbelliferone nanoparticles as a Cancer specific drug delivery agent.	Day 3 Lunch Session

Three Day International Conference on Recent Developments in Chemistry (RDC-2021)

March 3-5, 2021

P-48	ANGANA PAN	National Institute of Technology Durgapur	Development of anticancer activity of Pt(II) complex with N-heterocyclic amine: Its <i>in vitro</i> pharmacokinetics with thiol and thio-ethers, DNA, BSA binding, and cell cycle arrest	Day 3 Lunch Session
P-49	Biswajit Mandal	The University of Burdwan	Glass Fertilizer a New Material in Agricultural Science	Day 3 Lunch Session
P-50	Soumita Mukherjee	National Institute of Technology Durgapur	Molecular Modeling and MD-simulation studies of Thyroid Hormone Receptor	Day 3 Lunch Session
P-51	Akhil A. Bhosle	<i>BITS- Pilani</i>	Solvent-free mechanochemical synthesis of novel benzothiazole-azine based ES IPT-coupled AIEgens; their photophysical studies and application in detection of toxic analytes	Day 3 Lunch Session

[Link to join conference on Microsoft Team in online mode \(Annexure IV\)](#)

Primary Link for Invited Speakers, session chairs, delegates, 20 min speakers and participants:

<https://teams.microsoft.com/l/meetup-join/19%3a6fcde97ecdd1440abf81344af2962075%40thread.tacv2/1614607160617?context=%7b%22Tid%22%3a%22a58978f7-efcb-4b53-bd81-8361fa13fa5c%22%2c%22Oid%22%3a%224f47a5c8-ab64-486a-8db0-8ea50f908c44%22%7d>

Link for short presentation and Poster Presentation:

Parallel Session 1 (S1)

<https://teams.microsoft.com/l/meetup-join/19%3a6fcde97ecdd1440abf81344af2962075%40thread.tacv2/1614607227103?context=%7b%22Tid%22%3a%22a58978f7-efcb-4b53-bd81-8361fa13fa5c%22%2c%22Oid%22%3a%224f47a5c8-ab64-486a-8db0-8ea50f908c44%22%7d>

Parallel Session 2 (S2)

<https://teams.microsoft.com/l/meetup-join/19%3a6fcde97ecdd1440abf81344af2962075%40thread.tacv2/1614607275071?context=%7b%22Tid%22%3a%22a58978f7-efcb-4b53-bd81-8361fa13fa5c%22%2c%22Oid%22%3a%224f47a5c8-ab64-486a-8db0-8ea50f908c44%22%7d>

Parallel Session 3 (S3)

<https://teams.microsoft.com/l/meetup-join/19%3a6fcde97ecdd1440abf81344af2962075%40thread.tacv2/1614607306004?context=%7b%22Tid%22%3a%22a58978f7-efcb-4b53-bd81-8361fa13fa5c%22%2c%22Oid%22%3a%224f47a5c8-ab64-486a-8db0-8ea50f908c44%22%7d>

- [For Live poster presentation, YouTube channel link will be announced during the conference hour on daily basis.](#)