



ACS
Chemistry for Life®

FLASH PRESENTATION SCHEDULE

(Each presentation will be of 4 minutes followed by 1 minute Q&A)

58th Annual Convention of Chemists (ACC), Indian Chemical Society (ICS)

Organic & Bio-Chemistry Section

December 22, 2021, Wednesday

Jointly Organized by

Dept. of Chemistry, IIT Kharagpur & Dept. of Chemical Sciences, IISER Kolkata

7:30 PM – 7:35 PM

FP – 01

Cheminformatic modeling for dual inhibition of acetylcholinesterase (AChE) and butyrylcholinesterase (BuChE) enzymes in Alzheimer's disease

Vinay Kumar¹, Achintya Saha², **Kunal Roy**^{1,*}

¹Jadavpur University, Kolkata 700032, India

²University of Calcutta, 92 A P C Road, Kolkata 700 032, India

kunal.roy@jadavpuruniversity.in

Expert 1: (Out of 25 Marks)

Expert 2: (Out of 25 Marks)

Expert 3: (Out of 25 Marks)

Expert 4: (Out of 25 Marks)

7:35 PM – 7:40 PM

FP – 02

Green chemistry: Synthesis of one-pot multicomponent reaction of 1-phenyl-2-(3-phenylquinoxalin-1(2H)-yl)ethan-1-one and their antioxidant activity

Venkatesh K Bhovi*

Vijayanagar College, Hosapete, Vijayanagar, Karnataka-583201

venki.kb123@gmail.com

Expert 1: (Out of 25 Marks)

Expert 2: (Out of 25 Marks)

Expert 3: (Out of 25 Marks)

Expert 4: (Out of 25 Marks)

7:40 PM – 7:45 PM

FP – 03

Design, Synthesis and Characterization of Achiral Unsymmetrical Four-ring based Hockey-stick Shaped Liquid Crystals: Structure-Property relationship

Varsha Jain, Supreet Kaur, Golam Mohiuddin, and Santanu Kumar Pal*

Department of Chemical Sciences, IISER Mohali

varshajain@iisermohali.ac.in

Expert 1: (Out of 25 Marks)
Expert 2: (Out of 25 Marks)
Expert 3: (Out of 25 Marks)
Expert 4: (Out of 25 Marks)

7:45 PM – 7:50 PM

FP – 05

The role of Nanoparticles in the emerging world of Drugs

Richa Singh^a, Dr. Jyoti V. Mani^b
Department of Chemistry, SHUATS, Prayagraj, Uttar Pradesh, India
richasinghcy@gmail.com

Expert 1: (Out of 25 Marks)
Expert 2: (Out of 25 Marks)
Expert 3: (Out of 25 Marks)
Expert 4: (Out of 25 Marks)

7:50 PM – 7:55 PM

FP – 05

Unified Catalytic Asymmetric Total Syntheses of Sesquiterpenoids, (+)-Cuparene and (+)-Herbetene

Rhituparna Nandi,^a Kundan Shaw,^a Sovan Niyogi,^b Vishnumaya Bisai*^{a, c, d}
Department of Chemistry, IISER Bhopal
rhituparna18@iiserb.ac.in

Expert 1: (Out of 25 Marks)
Expert 2: (Out of 25 Marks)
Expert 3: (Out of 25 Marks)
Expert 4: (Out of 25 Marks)

7:55 PM – 8:00 PM

FP – 06

PHARMACOLOGICAL ACTIVITIES OF PYRROLO [2, 3, c-] PYRIDINES: A REVIEW

Ranjan Kumar Singh* & K P Srivastava
Department of Chemistry, Jai Prakash University, Chapra-841301 (Bihar), INDIA
ranjansingh8125@gmail.com

Expert 1: (Out of 25 Marks)
Expert 2: (Out of 25 Marks)
Expert 3: (Out of 25 Marks)
Expert 4: (Out of 25 Marks)

8:00 PM – 8:05 PM

FP – 07

SYNTHESIS AND BIOLOGICAL ACTIVITY OF SOME THIOHYDANTOINS: A REVIEW

Priyanka Srivastava* & K P Srivastava

Department of Chemistry, Jai Prakash University, Chapra-841301 (Bihar), INDIA

priyanka237028@gmail.com

Expert 1: (Out of 25 Marks)

Expert 2: (Out of 25 Marks)

Expert 3: (Out of 25 Marks)

Expert 4: (Out of 25 Marks)

8:05 PM – 8:10 PM

FP – 08

Base-Mediated Anti-Markonikov Hydroamidation of Vinyl Arenes with Arylamides

Ayushee,[†]Monika Patel,^{‡#} Priyanka Meena,^{†#} Kousar Jahan,[§] Prasad V. Bharatam[§] and Akhilesh K. Verma*

[†]Department of Chemistry, University of Delhi, Delhi-110007, India

Expert 1: (Out of 25 Marks)

Expert 2: (Out of 25 Marks)

Expert 3: (Out of 25 Marks)

Expert 4: (Out of 25 Marks)

8:10 PM – 8:15 PM

FP – 09

Catalytic Asymmetric Total Syntheses of (-)-*ar*-Tenuifolene

Sovan Niyogi,^a Kundan Shaw,^b Vishnumaya Bisai*^{b, c, d}

Department of Chemical Sciences, IISER Kolkata

sn19rs046@iiserkol.ac.in

Expert 1: (Out of 25 Marks)

Expert 2: (Out of 25 Marks)

Expert 3: (Out of 25 Marks)

Expert 4: (Out of 25 Marks)

8:15 PM – 8:20 PM

FP – 10

Green synthesis, characterization and their biological activities of Schiff's Bases of certain benzothiazole derivatives

Mubashshir Ahmed¹, Manohar Lokhande^{*2}, Dr. Seema Kothari³

³Department of Chemistry, Pacific University, Udiapur, Rajasthan, India

seemavkothari@rediffmail.com

Expert 1: (Out of 25 Marks)
Expert 2: (Out of 25 Marks)
Expert 3: (Out of 25 Marks)
Expert 4: (Out of 25 Marks)

8:20 PM – 8:25 PM

FP – 11

K₂S₂O₈-mediated Synthesis of Highly Functionalized Pyrroles via Oxidative Self-dimerization of N-Propargylamines

Bipin Kumar Behera, Archana Kumari Sahu, Ngangbam Renubala Devi and Anil K. Saikia*

Department of Chemistry, IIT Guwahati
asaikia@iitg.ac.in; bipinkumarbehera2@gmail.com

Expert 1: (Out of 25 Marks)
Expert 2: (Out of 25 Marks)
Expert 3: (Out of 25 Marks)
Expert 4: (Out of 25 Marks)

8:25 PM – 8:30 PM

FP – 12

Crystal structure of bicarbene Pd (0) complexes supported by NHC carbene and its electrochemical behaviour

Bibaswan Sen^a, Nurul Amin SK^b, Sk Imran Ali^{*a}

^aDepartment of Chemistry, University of Kalyani, Kalyani, India

^bDepartment of Chemistry, Texas Tech University, Texas, USA

Expert 1: (Out of 25 Marks)
Expert 2: (Out of 25 Marks)
Expert 3: (Out of 25 Marks)
Expert 4: (Out of 25 Marks)

8:30 PM – 8:35 PM

FP – 13

Total Syntheses of *Amaryllidaceae* Alkaloids, (+)- and (-)-Crinane

Ayan Mondal,^a Mrinal K. Das,^b Abhinay Yadav,^b Satyajit Majumder,^b Alakesh Bisai^{* a, b}

^aDepartment of Chemical Sciences, IISER Kolkata; ^bDepartment of Chemistry, IISER Bhopal
am19rs040@iiserkol.ac.in

Expert 1: (Out of 25 Marks)
Expert 2: (Out of 25 Marks)
Expert 3: (Out of 25 Marks)
Expert 4: (Out of 25 Marks)

8:35 PM – 8:40 PM

FP – 14

**SYNTHESIS AND BIOLOGICAL ACTIVITIES OF PYRAZOLO [3, 4b-] PYRIDINES:
A REVIEW**

Abhishek Kr. Singh* & K P Srivastava

Department of Chemistry, Jai Prakash University, Chapra-841301 (Bihar), INDIA

aksingh93341@gmail.com

Expert 1: (Out of 25 Marks)

Expert 2: (Out of 25 Marks)

Expert 3: (Out of 25 Marks)

Expert 4: (Out of 25 Marks)

8:40 PM – 8:45 PM

FP – 15

**DEEP EUTECTIC SOLVENTS (DESs) as ENVIRONMENTALLY BENIGN &
SUSTAINABLE GREEN SOLVENTS**

K P Srivastava

Department of Chemistry, Jai Prakash University, Chapra-841301 (Bihar), INDIA

gscdrkpsritprin@gmail.com

Expert 1: (Out of 25 Marks)

Expert 2: (Out of 25 Marks)

Expert 3: (Out of 25 Marks)

Expert 4: (Out of 25 Marks)

8:45 PM – 8:50 PM

FP – 16

SYNTHESIS AND BIOLOGICAL ACTIVITIES OF THIAZOLES: A REVIEW

Kaushal Kishor Prasad* & K P Srivastava

Department of Chemistry, Jai Prakash University, Chapra-841301 (Bihar), INDIA

gscdrkpsritprin@gmail.com

Expert 1: (Out of 25 Marks)

Expert 2: (Out of 25 Marks)

Expert 3: (Out of 25 Marks)

Expert 4: (Out of 25 Marks)

8:50 PM – 8:55 PM

FP – 17

**Visible-Light-Mediated Cross Dehydrogenative Coupling of Thiols with Aldehydes:
Metal-Free Synthesis of Thioesters at Room Temperature**

Vishal Jyoti Roy

Department of Chemistry, IIT Delhi

Expert 1: (Out of 25 Marks)
Expert 2: (Out of 25 Marks)
Expert 3: (Out of 25 Marks)
Expert 4: (Out of 25 Marks)

8:55 PM – 9:00 PM

FP – 18

WELPSA mediated synthesis of fused triazolothiadiazine-coumarin hybrids as potential anti-fungal agents and their *in silico* studies

Swati R. Hoolageri, Ravindra R. Kamble
P G Department of Chemistry, Karnatak University, Dharwad
s.r.hoolageri@gmail.com

Expert 1: (Out of 25 Marks)
Expert 2: (Out of 25 Marks)
Expert 3: (Out of 25 Marks)
Expert 4: (Out of 25 Marks)

9:00 PM – 9:05 PM

FP – 19

Synthesis of 2-Methyl-5-phenyl-7-amino-[1,3,4]-thiadiazolo[3,2-*a*]pyrimidine-6-nitrile derivatives

Susanta Kumar Borthakur*
PG Department of Chemistry, Arya Vidyapeeth College, Guwahati-16, Assam

Expert 1: (Out of 25 Marks)
Expert 2: (Out of 25 Marks)
Expert 3: (Out of 25 Marks)
Expert 4: (Out of 25 Marks)

9:05 PM – 9:10 PM

FP – 20

Synthesis of Pyrimido[2,1-*a*]isoindolone and Isoindolo[2,1-*a*]quinazolinone via Intramolecular Aza-Prins Type Reaction

Subhamoy Biswas, Bikoshita Porashar, Pallav Jyoti Arandhara and Anil K. Saikia*
Department of Chemistry, IIT Guwahati
asaikia@iitg.ac.in

Expert 1: (Out of 25 Marks)
Expert 2: (Out of 25 Marks)
Expert 3: (Out of 25 Marks)
Expert 4: (Out of 25 Marks)

9:10 PM – 9:15 PM

FP – 21

Molecular docking study of Antiproliferative Benzyloxyphenyl substituted Dihydropyrimidinones

Ruturajsinh M. Vala,¹ Hitendra M. Patel^{1,*}

¹ Department of Chemistry, Sardar Patel University, Gujarat

raturajsinhvala@hotmail.com

Expert 1: (Out of 25 Marks)
Expert 2: (Out of 25 Marks)
Expert 3: (Out of 25 Marks)
Expert 4: (Out of 25 Marks)

9:15 PM – 9:20 PM

FP – 22

Concise Total synthesis of Indolosesquiterpene Alkaloid, Deoxyxiamycin A

Sourav Kundu,^a Mintu Munda,^a Sovan Niyogi,^b Alakesh Bisai*^{a, b}

Department of Chemistry, IISER Bhopal

sourav18@iiserb.ac.in

Expert 1: (Out of 25 Marks)
Expert 2: (Out of 25 Marks)
Expert 3: (Out of 25 Marks)
Expert 4: (Out of 25 Marks)

9:20 PM – 9:25 PM

FP – 23

Radical arylation of vinyl epoxides under visible light mediated photocatalyst-free conditions

Ruchi Chawla and P. K. Dutta

MNNIT Allahabad, Prayagraj 211004

ruchi@mnnit.ac.in, ruchawlaoct@gmail.com

Expert 1: (Out of 25 Marks)
Expert 2: (Out of 25 Marks)
Expert 3: (Out of 25 Marks)
Expert 4: (Out of 25 Marks)

9:25 PM – 9:30 PM

FP – 24

An Expedient and Regioselective C-5 Chalcogenation of 8-Aminoquinolines under Metal-free Conditions

Vipin Kumar¹, **Dr Devalina Ray**² and Dr Biswajit Saha²

Amity Institute of Biotechnology, Sector 125, Noida, Uttar Pradesh

dray@amity.edu

Expert 1: (Out of 25 Marks)
Expert 2: (Out of 25 Marks)
Expert 3: (Out of 25 Marks)

Expert 4: (Out of 25 Marks)

9:30 PM – 9:35 PM

FP – 25

A sort review article on the sulfinamide and its derivatives

Ravindra R Shinde^[a], Mazahar Farooqui^{*[b]}

Maulana Azad College of Arts, Science and Commerce Aurangabad - 431001, India.

mazahar_64@rediffmail.com

Expert 1: (Out of 25 Marks)

Expert 2: (Out of 25 Marks)

Expert 3: (Out of 25 Marks)

Expert 4: (Out of 25 Marks)

9:35 PM – 9:40 PM

FP – 26

Caffeine: A biodegradable catalyst for the Naturally Green synthesis of 3,7,7-trimethyl-1,4-diphenyl-2,3,4,6,7,8-hexahydrochromeno[2,3-c]pyrazol-5(1H)-one.

R. Perumal, B. Bathrinarayanan, P. Baskaran, S. Sheik Mansoor*,

Department of Chemistry, C. Abdul Hakeem College, Melvisharam, Tamil Nadu

Expert 1: (Out of 25 Marks)

Expert 2: (Out of 25 Marks)

Expert 3: (Out of 25 Marks)

Expert 4: (Out of 25 Marks)

9:40 PM – 9:45 PM

FP – 27

Electrocatalysis in the Context of Dimeric Hexahydropyrrolo-[2,3-*b*]indole Alkaloids: Total Synthesis of (±)-Folicanthine

Arindam Khatua,^a Kundan Shaw,^a Sulekha Sharma,^a Amit Paul*,^a Alakesh Bisai*^{a, b}

^aDepartment of Chemistry, IISER Bhopal; ^bDepartment of Chemical Sciences, IISER Kolkata

arindam18@iiserb.ac.in

Expert 1: (Out of 25 Marks)

Expert 2: (Out of 25 Marks)

Expert 3: (Out of 25 Marks)

Expert 4: (Out of 25 Marks)

9:45 PM – 9:50 PM

FP – 28

Meglumine: An efficient one-pot synthesis of 2-amino-7-hydroxy-4-phenyl-4H-chromene-3-carbonitrile derivatives and their biological activities

P. Baskaran, R. Perumal, B. Bathrinarayanan, S. Sheik Mansoor*,
Department of Chemistry, C. Abdul Hakeem College, Melvisharam, Tamil Nadu

Expert 1: (Out of 25 Marks)
Expert 2: (Out of 25 Marks)
Expert 3: (Out of 25 Marks)
Expert 4: (Out of 25 Marks)

9:50 PM – 9:55 PM

FP – 29

SYNTHESIS OF 1-AMINOMETHYL-3-(4'-(4"-NITROBENZYLOXY) BENZOYLHYDRAZONO)-5-ETHYLISATNS AS ANTIFUNGAL AGENTS

Nisheeth Rastogi

Department of Chemistry, Lucknow Christian Degree College, Lucknow
nisheethrastogi2003@gmail.com

Expert 1: (Out of 25 Marks)
Expert 2: (Out of 25 Marks)
Expert 3: (Out of 25 Marks)
Expert 4: (Out of 25 Marks)

9:55 PM – 10:00 PM

FP – 30

An Expedient Route to Tricyanovinylindoles and Indolylmaleimides from *o*-alkynylanilines Utilising DMSO as a One-Carbon Synthone

Nikita Chakraborty, Anjali Dahiya, Amitava Rakshit, Anju Modi and Bhisma K. Patel*

Department of Chemistry, IIT Guwahati
patel@iitg.ac.in

Expert 1: (Out of 25 Marks)
Expert 2: (Out of 25 Marks)
Expert 3: (Out of 25 Marks)
Expert 4: (Out of 25 Marks)

10:00 PM – 10:05 PM

FP – 31

A concentration dependent promotion and suppression of thermal aggregation of β -lactoglobulin by Arginine: An understanding towards protein and small molecular interaction

Jishnu Chakraborty¹, Umesh Chandra Halder²

¹ Camellia Institute of Engineering & Technology

² Jadavpur University

Expert 1: (Out of 25 Marks)
Expert 2: (Out of 25 Marks)
Expert 3: (Out of 25 Marks)
Expert 4: (Out of 25 Marks)

10:05 PM – 10:10 PM

FP – 32

An Expeditious Route to Sterically Encumbered Non-Proteinogenic α -Amino Acid Derivatives Enables Rapid Peptide Diversification

Ganesh Karan, Samrat Sahu, Modhu Sudan Maji*

Department of Chemistry, Indian Institute of Technology Kharagpur

ganeshchemistry95@gmail.com

Expert 1: (Out of 25 Marks)

Expert 2: (Out of 25 Marks)

Expert 3: (Out of 25 Marks)

Expert 4: (Out of 25 Marks)

10:10 PM – 10:15 PM

FP – 33

An Organophotoredox-catalyzed Redox-neutral Cascade Involving *N*-(acyloxy)phthalimides and Allenamides: Synthesis of Indoles

Aznur Azim, Sanju Das, Sudhir Kumar Hota, Satya Prakash Panda, Sandip Murarka* and Suman De Sarkar*

Department of Chemical Sciences, IISER KOLKATA

aa20rs032@iiserkol.ac.in

Expert 1: (Out of 25 Marks)

Expert 2: (Out of 25 Marks)

Expert 3: (Out of 25 Marks)

Expert 4: (Out of 25 Marks)

10:15 PM – 10:20 PM

FP – 34

**Polysaccharide based Nanoparticles for colon targeted drug delivery of mesalamine
TULIKA MALVIYA*, VANDANA SINGH**

Department of Chemistry, University of Allahabad, UP

tulika4manan@rediffmail.com

Expert 1: (Out of 25 Marks)

Expert 2: (Out of 25 Marks)

Expert 3: (Out of 25 Marks)

Expert 4: (Out of 25 Marks)



FLASH PRESENTATION SCHEDULE

(Each presentation will be of 4 minutes followed by 1 minute Q&A)

58th Annual Convention of Chemists (ACC), Indian Chemical Society (ICS)

Organic & Bio-Chemistry Section

December 23, 2021, Wednesday

Jointly Organized by

Dept. of Chemistry, IIT Kharagpur & Dept. of Chemical Sciences, IISER Kolkata

7:30 PM – 7:35 PM

FP – 35

Solvent Dependent Access to *E* vs *Z*-allylic amines via Decarboxylative Vinylation of Amino Acids

Samir Manna, Kanak Kanti das, Santanu Panda*

Department of chemistry, Indian Institute of Technology, Kharagpur

(Email: spanda@chem.iitkgp.ac.in)

Expert 1: (Out of 25 Marks)

Expert 2: (Out of 25 Marks)

Expert 3: (Out of 25 Marks)

Expert 4: (Out of 25 Marks)

7:45 PM – 7:50 PM

FP – 36

Total Syntheses of Hexahydropyrrolo[2,3-*b*]indole Alkaloids, (+)-pseudophrynamine 270 and (+)-pseudophrynamine 272A

Mintu Munda,^a Arindam Maity,^a Nivesh Kumar,^a Sovan Niyogi,^b Alakesh Bisai*^{a, b}

^aDepartment of Chemistry, IISER Bhopal; ^bDepartment of Chemical Sciences, IISER Kolkata

mintu18@iiserb.ac.in

Expert 1: (Out of 25 Marks)

Expert 2: (Out of 25 Marks)

Expert 3: (Out of 25 Marks)

Expert 4: (Out of 25 Marks)

7:50 PM – 7:55 PM

FP – 37

Synthetic Studies Towards Naturally Occuring γ -alkylidenebutenolide: Pyrenolide D
Shrestha Chatterjee and Samik Nanda*

Department of Chemistry, IIT Kharagpur

chatterji.shrestha@gmail.com

Expert 1: (Out of 25 Marks)
Expert 2: (Out of 25 Marks)
Expert 3: (Out of 25 Marks)
Expert 4: (Out of 25 Marks)

7:55 PM – 8:00 PM

FP – 38

Chitosan-sulfonic acid: A biodegradable catalyst for the green synthesis of Ethyl 2,7,7-trimethyl-5-oxo-4-phenyl-1,4,5,6,7,8-hexahydroquinoline-3-carboxylate derivatives and solvent free conditions

B. Bathrinarayanan, P. Baskaran, R. Perumal, S. Sheik Mansoor*

Department of Chemistry, C. Abdul Hakeem College, Melvisharam, Tamil Nadu

Expert 1: (Out of 25 Marks)
Expert 2: (Out of 25 Marks)
Expert 3: (Out of 25 Marks)
Expert 4: (Out of 25 Marks)

8:00 PM – 8:05 PM

FP – 39

SYNTHESIS, CHARACTERIZATION AND BIOLOGICAL ACTIVITIES OF SOMETHIENOPYRIMIDINE ANALOGUES

HIMANSHU D. PATEL

DEPARTMENT OF CHEMISTRY, Dr. APJ ABDUL KALAM GOVT. COLLEGE, SILVASSA-DOKMARDI-396230, U.T. OF DADRA AND NAGAR HAVELI AND DAMAN AND DIU (INDIA)

himanshu4p_2765@yahoo.com

Expert 1: (Out of 25 Marks)
Expert 2: (Out of 25 Marks)
Expert 3: (Out of 25 Marks)
Expert 4: (Out of 25 Marks)

8:10 PM – 8:15 PM

FP – 40

The oxidation of alcohol and amine performed under metal free, base free, neat conditions: A Green Approach

Krishnendu Khamaru, STRUCTURAL BIOLOGY & BIOINFORMATICS

krishnendukhamaru@gmail.com

Expert 1: (Out of 25 Marks)
Expert 2: (Out of 25 Marks)
Expert 3: (Out of 25 Marks)
Expert 4: (Out of 25 Marks)

8:15 PM – 8:20 PM

FP – 38

L-Proline catalysed sequential ring transformations of N-arylsydnonones to novel 5-(pyrazol-3-yl)-1,3,4-oxidiazoles as effective anti-tubercular agent

Tukaram Vaijinath Metre

Department of Chemistry, Karnatak University, Dharwad
tukarammetre20@gmail.com

Expert 1: (Out of 25 Marks)

Expert 2: (Out of 25 Marks)

Expert 3: (Out of 25 Marks)

Expert 4: (Out of 25 Marks)

8:20 PM – 8:25 PM

FP – 39

Luminescence, Solvatochromic and DFT Analyses of Novel Coumarin-4-yl- methyl-2H-1,2,4-triazoles

Suresh F. Madar¹, Shilpa M. Somagond¹, Ravindra R. Kamble*¹

¹Department of Chemistry, Karnatak University Dharwad, India – 580003

Expert 1: (Out of 25 Marks)

Expert 2: (Out of 25 Marks)

Expert 3: (Out of 25 Marks)

Expert 4: (Out of 25 Marks)

8:25 PM – 8:30 PM

FP – 40

Studies directed toward the synthesis of hedycoropyrans: total synthesis of des-hydroxy (-)-hedycoropyran B (*ent*-rhoiptelol B)

Priyanka Kataria,^{a,b} Rajesh Nomula,^a and Ravindar Kontham*,^{a, b}

CSIR – NCL Pune

k.ravindar@ncl.res.in

Expert 1: (Out of 25 Marks)

Expert 2: (Out of 25 Marks)

Expert 3: (Out of 25 Marks)

Expert 4: (Out of 25 Marks)

8:30 PM – 8:35 PM

FP – 41

Band Gap Engineering of Benzotriazole and Benzodithiazole Based Porous Polymers and their Application in Glaser Coupling

Dr. Neha Rani Kumar^a and Prof. Sanjio S. Zade*^b

^aDepartment of Chemistry, Dhemaji College, Dhemaji-787057, Assam

^bDepartment of Chemical Sciences, IISER Kolkata, 741246, West Bengal

nehakumar0926@gmail.com

Expert 1: (Out of 25 Marks)

Expert 2: (Out of 25 Marks)

Expert 3: (Out of 25 Marks)

Expert 4: (Out of 25 Marks)

8:35 PM – 8:40 PM

FP – 42

“Synthesis, antioxidant and antimicrobial activity of thieno[2,3-*d*] pyrimidine based chalcone derivatives”

MEGHA A. PATEL, LAVISH H. PATEL, KEYUR D. MARKANA, PARESH S. PATEL

DEPARTMENT OF CHEMISTRY, VEER NARMAD SOUTH GUJARAT UNIVERSITY,
SURAT-395007

meghapatel2425@gmail.com

Expert 1: (Out of 25 Marks)

Expert 2: (Out of 25 Marks)

Expert 3: (Out of 25 Marks)

Expert 4: (Out of 25 Marks)

8:40 PM – 8:45 PM

FP – 43

SYNTHESIS, ANTIMICROBIAL AND ANTIOXIDANT EVALUATION OF SOME NOVEL CHROMENOPYRIMIDINE BASED CHALCONE DERIVATIVES

Lavish H. Patel, Megha A. Patel, Keyur D. Markana and Paresch S. Patel

Department of Chemistry, Veer Narmad South Gujarat University, Surat-395007

lavish.patel38@gmail.com

Expert 1: (Out of 25 Marks)

Expert 2: (Out of 25 Marks)

Expert 3: (Out of 25 Marks)

Expert 4: (Out of 25 Marks)

8:45 PM – 8:50 PM

FP – 44

Mandelic Acid: A truly benign novel organocatalyst for diverse organic transformations

Dr. Bubun Banerjee

Department of Chemistry, Akal University, Talwandi Sabo, Bathinda, Punjab

banerjeebubun@gmail.com

Expert 1: (Out of 25 Marks)

Expert 2: (Out of 25 Marks)

Expert 3: (Out of 25 Marks)

Expert 4: (Out of 25 Marks)

8:50 PM – 8:55 PM

FP – 45

Oxocarbenium ion mediated [5+2] cycloaddition/cyclization of pyranone : Diversity in Synthesis of bridged bicyclic ethers

Devanshee Jesadiya, Brijesh Gandhi, Pravin Bhalerao*
Department of Chemistry, Marwadi University Gauridhad, Rajkot

Expert 1: (Out of 25 Marks)

Expert 2: (Out of 25 Marks)

Expert 3: (Out of 25 Marks)

Expert 4: (Out of 25 Marks)

8:55 PM – 9:00 PM

FP – 46

Multiwalled Carbon Nanotubes Crowned with Nickel-Ferrite Magnetic Nanoparticles Leading to the Synthesis of Benzo[*d*]Imidazo[2,1-*b*]Thiazole Scaffolds

Deepika Geedkar, Ashok Kumar, Pratibha Sharma*
School of Chemical Sciences, Devi Ahilya Vishwavidyalaya, Indore-452 001 (M.P.), India
drpratibhasharma@yahoo.com
dgeedkar@gmail.com

Expert 1: (Out of 25 Marks)

Expert 2: (Out of 25 Marks)

Expert 3: (Out of 25 Marks)

Expert 4: (Out of 25 Marks)

9:00 PM – 9:05 PM

FP – 47

Label-free electrochemical immunosensor for early detection of small cell lung cancer

Daisy Mehta, Tharamani C. Nagaiah,
Department of chemistry, IIT Ropar
2019cyz0026@iitrpr.ac.in

Expert 1: (Out of 25 Marks)

Expert 2: (Out of 25 Marks)

Expert 3: (Out of 25 Marks)

Expert 4: (Out of 25 Marks)

9:05 PM – 9:10 PM

FP – 48

Design, synthesis and antitumor evaluation of pyrrolo[1,2-*f*]-phenanthridine and dibenzo [f, h] pyrrolo[1,2-*b*] isoquinoline derivatives.

Aditi Singh, Adhiya Shivangi and Dr. Vicky Jain*
aditisingh2905@gmail.com

Expert 1: (Out of 25 Marks)
Expert 2: (Out of 25 Marks)
Expert 3: (Out of 25 Marks)
Expert 4: (Out of 25 Marks)

9:10 PM – 9:15 PM

FP – 49

PAD-S: A Chemical Chaperone inhibiting Insulin Fibrillation and Preserving Activity

Anirban Das, ^a Yogesh M. Gangarde, ^a & Ishu Saraogi ^{*, a,b}

^aDepartment of Chemistry, IISER Bhopal

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Expert 1: (Out of 25 Marks)
Expert 2: (Out of 25 Marks)
Expert 3: (Out of 25 Marks)
Expert 4: (Out of 25 Marks)

9:15 PM – 9:20 PM

FP – 50

Novel 1,2,4-triazole clubbed with 1,3,4-oxadiazole motifs as efficient antimicrobial agents from N-arylsydnone as Synthons

Ahmedraza Mavazzan, Shipa M. Somagond, Ravindra R. Kamble*

Department of Studies in Chemistry, Karnatak University Dharwad

ravichem@kud.ac.in

Expert 1: (Out of 25 Marks)
Expert 2: (Out of 25 Marks)
Expert 3: (Out of 25 Marks)
Expert 4: (Out of 25 Marks)

9:20 PM – 9:25 PM

FP – 51

CuNPs catalyzed one-pot facile synthesis of novel 1,2,3-triazole via click chemistry as antifungal agents

Barnabas K.

Department of Chemistry, Karnatak University, Dharwad

barnabas0721@gmail.com

Expert 1: (Out of 25 Marks)
Expert 2: (Out of 25 Marks)
Expert 3: (Out of 25 Marks)
Expert 4: (Out of 25 Marks)

9:25 PM – 9:30 PM

FP – 52

A Computational Investigation into the Mechanism of Ligand-Free Copper-Catalyzed Suzuki Cross-Coupling Reaction

C. Rajalakshmi,^a Anandhu Krishnan,^a Vibin Ipe Thomas*^a

Department of Chemistry, CMS College Kottayam (Autonomous), Kottayam, Kerala
rajalakshmi@cmscollege.ac.in

Expert 1: (Out of 25 Marks)

Expert 2: (Out of 25 Marks)

Expert 3: (Out of 25 Marks)

Expert 4: (Out of 25 Marks)

9:30 PM – 9:35 PM

FP – 53

Biologically active smaller organic molecule-DNA interactions and their study by UV-Visible, fluorescence spectroscopies and cyclic voltammetry

Rejaul Karim

Department of Chemistry, Aliah University, New Town, Kolkata
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Expert 1: (Out of 25 Marks)

Expert 2: (Out of 25 Marks)

Expert 3: (Out of 25 Marks)

Expert 4: (Out of 25 Marks)

9:30 PM – 9:35 PM

FP – 54

Carbohydrate based fluorescent hydrogel as antioxidant potency

Shubhankar Ghorai, Biswajit Jana, Dipika Pan, and Jhuma Ganguly*

Indian Institute of Engineering Science and Technology, Shibpur, Howrah
shubhankar234@gmail.com / *jhumaiiest@gmail.com

Expert 1: (Out of 25 Marks)

Expert 2: (Out of 25 Marks)

Expert 3: (Out of 25 Marks)

Expert 4: (Out of 25 Marks)

9:35 PM – 9:40 PM

FP – 55

Allelopathic effect of *Ficus arnottiana* Miq. Stem extracts on plant germination as bioherbicides

Shweta Singh, R. N. Yadava, Ritu Yadav and Vijayshree Suryawanshi

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shweta.singh4686@gmail.com

Expert 1: (Out of 25 Marks)
Expert 2: (Out of 25 Marks)
Expert 3: (Out of 25 Marks)
Expert 4: (Out of 25 Marks)

9:40 PM – 9:45 PM

FP – 56

Catalytic N-Acylation of Cyclic Amines by Arylglyoxylic Acids through Radical-Radical Cross-Coupling

Ajjur Rahaman and Sukalyan Bhadra*

CSIR-Central Salt and Marine Chemicals Research Institute, Gujarat.
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Expert 1: (Out of 25 Marks)
Expert 2: (Out of 25 Marks)
Expert 3: (Out of 25 Marks)
Expert 4: (Out of 25 Marks)

9:45 PM – 9:50 PM

FP – 57

Iridium(III)-Catalyzed Intermolecular Mild N-Arylation of Aliphatic Amides Using Quinoid Carbene: A Migratory Insertion-Based Approach

Satabdi Bera, Saikat Roy, Shyam Chand Pal, Anakuthil Anoop,* and Rajarshi Samanta*

Department of Chemistry, Indian Institute of Technology Kharagpur, Kharagpur 721302
satabdi.bera@iitkgp.ac.in

Expert 1: (Out of 25 Marks)
Expert 2: (Out of 25 Marks)
Expert 3: (Out of 25 Marks)
Expert 4: (Out of 25 Marks)

9:50 PM – 9:55 PM

FP – 58

Transition Metal Free Three Component Coupling To Access 2,3-Diarylindole

Kanak Kanti Das, Prof. Santanu Panda*

Department of Chemistry, Indian Institute of Technology Kharagpur
spanda@chem.iitkgp.ac.in

Expert 1: (Out of 25 Marks)
Expert 2: (Out of 25 Marks)
Expert 3: (Out of 25 Marks)
Expert 4: (Out of 25 Marks)

9:55 PM – 10:00 PM

FP – 59

Visible-light-driven organophotocatalyzed one-pot multi-component approach for tandem C(sp³)-H activation, alkylation followed by trifluoromethyl/aryl/alkylthiolation

Krishna Gopal Ghosh, Debabrata Das, Devarajulu Sureshkumar*

Department of Chemical Sciences, IISER KOLKATA

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Expert 1: (Out of 25 Marks)

Expert 2: (Out of 25 Marks)

Expert 3: (Out of 25 Marks)

Expert 4: (Out of 25 Marks)

10:00 PM – 10:05 PM

FP – 60

Asymmetric Catalysis with Chiral-at-metal Catalyst: Catalyst Design and Application

Pramod Rai, Satyadeep Waiba, kakoli Maji, Dibyaranjan Sahoo, Biplab Maji*

Department of Chemical Sciences, IISER Kolkata

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Expert 1: (Out of 25 Marks)

Expert 2: (Out of 25 Marks)

Expert 3: (Out of 25 Marks)

Expert 4: (Out of 25 Marks)

10:05 PM – 10:10 PM

FP – 61

SYNTHESIS, REACTIONS, BIOLOGICAL ACTIVITY AND INDUSTRIAL APPLICATIONS OF SOME TRIAZOLES: A REVIEW

Poonam Kumari* & K P Srivastava

Department of Chemistry, Jai Prakash University, Chapra-841301 (Bihar), INDIA

poonamsashwat11@gmail.com

Expert 1: (Out of 25 Marks)

Expert 2: (Out of 25 Marks)

Expert 3: (Out of 25 Marks)

Expert 4: (Out of 25 Marks)

10:10 PM – 10:15 PM

FP – 62

Highly Diastereoselective Synthesis of Dihydro-benzoimidazo-[1,3]-thiazines via Electro-oxidative Selenocyclization of Thioallyl Benzoimidazoles

Atreyee Halder, Kingshuk Mahanty, Debabrata Maiti and Suman De Sarkar*

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Expert 1: (Out of 25 Marks)
Expert 2: (Out of 25 Marks)
Expert 3: (Out of 25 Marks)
Expert 4: (Out of 25 Marks)
