# 1995 - 2019

#### SILVER JUBILEE CELEBRATION

### 25<sup>th</sup> ISCB INTERNATIONAL CONFERENCE (ISCBC-2019)

#### Trends in Chemical and Biological Sciences: Impact on Health and Environment

Date: 12 - 14 January, 2019 | Venue: Hotel Golden Tulip, Lucknow, India

Organized by: Indian Society of Chemists & Biologists (ISCB)

**E-mail:** iscbconference@gmail.com | **Website:** www.iscbconference.com

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P-1	Interaction Studies of Catechin Metal Complexes with BSA & DNA using UV-Visible Spectroscopy. Seema Verma, Neelima Gupta*
P-2	Pd/PTABS: An Efficient Catalytic System for Synthesis of Base Modified Nucleosides  Shatrughn Bhilare, Vijay Gayakhe, Ajaykumar Ardhapure, Siva Sankar Murthy Bandaru, Carola Schulzke, Yogesh Sanghvi, Anant Kapdi*
P-3	A novel and chemoselective synthesis of 2-arylbenzimidazoles in molecular sieves-MeOH system their antitubercular activity.  Amit Kumar Verma <sup>a</sup> , Amit Kumar Chaturvedi <sup>a</sup> , Jay Prakash Thakur <sup>a</sup> , Sudeep Roy <sup>b</sup> , Shashi Bhushan Tripathi <sup>a</sup> , Balagani Sathish Kumar <sup>a</sup> , Sadiya Khwaja <sup>a</sup> , Naresh K. Sachan <sup>a</sup> , Ashok Sharma <sup>a</sup> , Debabrata Chanda <sup>a</sup> , Karuna Shanker <sup>a</sup> , Dharmendra Saikia <sup>a</sup> , Arvind Singh Negi <sup>a</sup>
P-4	In silico screening of antibacterial lichen compounds against Xanthomonas oryzae pv. Oryzae  Tushar Joshi <sup>1</sup> , Abuja Joshi <sup>2</sup> , Priyanka Sharma <sup>3</sup> , Veena pande <sup>1</sup> and Subhash Chandra <sup>2</sup> *
P-5	Potassium persulfate promoted N-nitrosation of secondaryand tertiary amines with nitromethane under mild condition SadafAzeez, PriyankaChaudhary, PopuriSureshbabu, and ShahulhameedSabiah JeyakumarKandasamy*
P-6	Concise Asymmetric Syntheses of (2 <i>R</i> ,3 <i>S</i> )-3-Hydroxyproline and (2 <i>S</i> ,3 <i>S</i> )-3-Hydroxyproline S. M. Linsdall, S. G. Davies,* A. M. Fletcher, P. M. Roberts and J. E. Thomson
P-7	Visible-light Photoredox Catalyzed Synthesis of Carbocycles Bhupal Singh Karki
P-8	Metabolic and Lipidomic Profiling of Oral Squamous Cell Carcinoma in Tissue Specimens using <sup>1</sup> H HRMAS MR Spectroscopy

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	Anup Paul <sup>1,3</sup> , Jaibodh Kumar <sup>2</sup> , Abhinav A Sonkar <sup>2</sup> , Sudha Jain <sup>3</sup> and Raja Roy <sup>1</sup> *
P-9	<b>Defection:</b> A route for antibiotic resistance in mycobacterial population B V Ramaraju A and M. V. Krishnasastry*
P-10	Design, Synthesis and Biological Evaluation of Novel Molecules for The Management of Alzheimer's Disease  C.S. Praveen Kumar <sup>1</sup> , Yash Pal Singh <sup>1</sup> , Khusbu Priya <sup>2</sup> , Meenu Yadav <sup>1</sup> , Geeta Rai <sup>2</sup> , Gyan Modi <sup>1*</sup>
P-11	New ionic Cu(II) and Co(II) DACH–flufenamate conjugate complexes: spectroscopic characterization, single X–ray studies and cytotoxic activity on human cancer cell lines HuzaifaYasir Khan, Farukh Arjmand*
P-12	Rationally designed peptide based cancer nanotherapeutics <u>Kasturee Chakraborty</u> , <sup>#,1</sup> Chiranjit Dutta, <sup>#,2</sup> Abhijit Biswas, <sup>#,2</sup> Sanchita  Mukherjee, <sup>#,1</sup> Paramita Gayen, <sup>1</sup> Snehasish Ghosh, <sup>2</sup> Argha Mario Mallick, <sup>1</sup> Souvik  Dey, <sup>1</sup> Somnath Jan, <sup>1</sup> Dhananjay Bhattacharyya <sup>*,3</sup> and Rituparna Sinha Roy <sup>*,1,4,5</sup>
P-13	Role of EspH: Essential for virulence but ineffective to elicit protective response Mahendra Kumar (26/12/1993), Dr. M V Krishnasatry
P-14	Early repair salivary biomarkers in post-periodontal surgery by NMR metabolomics: A proof of concept Manvendra Pratap Singh <sup>1</sup> , C.S. Saimbi <sup>2</sup> , Raja Roy <sup>1</sup>
P-15	A visible light mediated synthesis of benzimidazole molecules utilizing carbon nitrides as photocatalyst Puneet Kumar Singh, Dr.Ankita Rai*
P-16	MycobacterialOutliers:Are they a trade-off between abundance and significance? Raj Kumar Gour and Dr. M.V.Krisnasastry*



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P-18	A New Avenue to the Synthesis of Chromeno[2,3-d]pyrimidine-trione Derivatives Catalysed by Lemon Juice: Methyl Arenes as Sustainable Surrogates of Aryl Aldehydes <u>SavitaKumari</u> , Sundaram Singh*
P-19	A Redox-based Superoxide Generation System using a Quinone Reductase of Escherichia coli Shailesh Kumar Singh, Syed Masood Husain*
P-20	A zwitterionic Zn(II) benzothiazole nanohybrid conjugate as hydrolytic DNA cleavage agent Siffeen Zehra <sup>a</sup> , Sartaj Tabassum <sup>a,b</sup> , Hamad A. Al–Lohedan <sup>b</sup> and Farukh Arjmand <sup>a</sup> *
P-21	Design and synthesis of new chiral copper-(II) sulfa drug based 1D coordination polymers; DNA binding, cleavage and SOD mimetic activity. Zeenat Afsan <sup>a</sup> , SartajTabassum <sup>a</sup> ,Thierry Roisnel <sup>b</sup> and Farukh Arjmand <sup>a*</sup>
P-22	[3+3] Cycloaddition for heterocyclic synthesis via <i>insitu</i> generation of azomethine ylide as Dipolar adduct.  Harendra Sheshma <sup>1a</sup> , Prashant Shukla <sup>a</sup> , Ankita Rai <sup>a*</sup>
P-23	GRAPHENE OXIDE-CATALYSED GREEN APPROACH FOR AMINATION OF AROMATIC/ALIPHATIC RINGS VIA NITRENE INSERTION ON ACTIVATED C-H BOND.  Prashant Shukla <sup>1a</sup> , Harendra Sheshma <sup>a</sup> , Ankita Rai <sup>a*</sup>
P-24	Colorimetric and FluorogenicDetection ofToxic Hydrogen Sulphide Gasin Biological Medium by Metal-Organic Framework  Rana Dalapati, S. N. Balaji, Vishal Trivedi, LaxmikantaKhamari, and ShyamBiswasa*
P-25	A Metal-Organic Framework Showing Highly Selective and Sensitive Detection of Exogenous and Endogenous Formaldehyde Soutick Nandi <sup>1</sup> , Vishal Trivedi <sup>2</sup> , Shyam Biswas*. <sup>1</sup>



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P-27	SCAFFOLD SHIFT FROM PYRANONE CARBOXAMIDE TO PYRAZOLYL ACETAMIDE Farhana Rozy, Ashoke Sharon
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P-29	Conditionally Essential Target for anti-tubercular drug discovery Mousumi Shyam, Abhimanyu Dev, Barij N Sinha, Venkatesan Jayaprakash*
P-30	Targeting muscle metabolism to counter the "Syndrome X" <u>Ojastikoo</u> , "Naresh Chandra Bal"
P-31	Synthesis and NMR studies of α-Pyranonecarboxamide analogs Prem Kumar Kushwaha, Sneha Nayak, Keshav Kishor, Chandralata Bal
P-32	SYNTHESIS AND X-RAY STRUCTURAL STUDIES OF NOVEL PYRIDINONE ANALOGS Rajan Kumar, Harpreet Kaur, Ashoke Sharon
P-33	Synthesis of 4'-methyl-6'-methylene carbocyclic nucleosides RamakrishnamrajuSamunuri <sup>a,b</sup> , Ashok Kumar Jha <sup>b</sup> , ChandralataBal <sup>a</sup>
P-34	Synthesis and crystal structural studies of isoxazol-3-yl-acetamide derivative <a href="Sarika Verma">Sarika Verma</a> , Ashoke Sharon
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P-36	Cytokines as potential recruiters of adaptive metabolism Sunil Pani, "Naresh Chandra Bal"
P-37	Nucleic Acid Binding Studies of Synthetic β-Carboline Derivatives: Spectroscopic Approaches to Derive a Model of the Drug: Nucleic Acid Complex Monika Yadav <sup>1</sup> , Srashti Bharadwaj <sup>1</sup> , Jaybir Singh <sup>2</sup> , Prem MS Chauhan <sup>3</sup> and Surat Kumar* <sup>1</sup>



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P-38	A green solvent for synthesis of glucocorticoids prodrugs: DFT approach Praveer Singh, Arun Sethi*
P-39	Facile synthesis of a series of novel pregnane derivatives and its glycosides Ranvijay Pratap Singh <sup>1</sup> , Arun sethi <sup>2</sup>
P-40	A green protocol for synthesis of cholesterol prodrug using Ionic liquid: A DFT approach Priyanka Yadav, Arun Sethi*
P-41	Use of ionic liquid in the synthesis of pregnane derivatives <a href="Ritika Deborah George">Ritika Deborah George</a> , Praveer Singh, Arun Sethi*
P-42	"Regioselective Azidation of Alkenes using Sulfonium Iodate Reagent"  Aakanksha Gurawa, Thurpu Raghavendar Reddy, Dodla Sivanageswara Rao And Sudhir Kashyap*
P-43	MacMillan Catalyst as an organocatalyst for the Asymmetric Biginelli Reaction Deepa, Geeta Devi Yadav and Surendra Singh*
P-44	"Stereoselective Synthesis of Deoxyglycosides and Glycomimetics From Glycals"  Manoj Kumar, Thurpu Raghavendar Reddyand Sudhir Kashyap*
P-45	MacMillan Catalyst Supported on Magnetic Nanoparticle as Recoverable Catalystfor Asymmetric DielsAlder reaction Mohd Jubair Aalam and Surendra Singh*
P-46	BinolTi Complexes as a Catalyst for the Asymmetric Ring Opening of Epoxide Pooja Chaudhary, Geeta Devi Yadav and Surendra Singh*
P-47	Exploration of Marine Sources for Microbial Beta Secretase Activity in the Management of Alzheimer's disease  Anuraag Muralidharan, H. Raghu Chandrashekar, J. Venkata Rao*
P-48	Anti-atrophic potential of CNA: Suppression of altered ROS, cytokines, and proteolytic systems by CNA in TNF — treated myotubes  Ashwani Mittal*, Anita dua, Sanjeev Gupta



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P-50	Design, Multicomponent Synthesis and Characterization of Diversely Substituted Pyrazolo[1,5-a] Pyrimidine Derivatives  Bhoomi M. Makwana, Vidhya V. Jadvani, Y.T.Naliapara*
P-51	Synthesis, crystal structures and biological activity of some pyrazole and 1, 2, 3-triazole containing heterocyclic compounds <u>Yogesh O. Bhola ,Khushbu dodeja</u> ,Yogesh T. Naliapara*
P-52	<b>Efficient synthesis of</b> ( <i>E</i> )-1-aryl-3-(glucal-1-yl)-propinones Bhawani Shankar <sup>a,b</sup> and Ashok K. Prasad <sup>a</sup> *
P-53	Regioselective Rh(III) Catalyzed C-H Alkylation and Annulation with $\beta\text{-CF}_3\text{-}$ Substituted Enones Bharatkumar Chaudhary and Satyasheel Sharma*
P-54	A one-pot multicomponent synthesis of 2-amino-4 <i>H</i> -chromenes: An efficient green approach using triethanolamine as catalyst in aqueous medium Chirag Rathod, <sup>a</sup> Naval P. Kapuriya, <sup>b</sup> Anilkumar S. Patel <sup>c</sup>
P-55	C-5 Curcuminoids: Synthesis and antibacterial activity against Staphylococcus aureus and their mechanistic studies Gagandeep <sup>1</sup> ,ShamseerKulangara Kandi <sup>1</sup> , Prince Kumar <sup>2</sup> ,Kasturi Mukhopadhyay <sup>2</sup> ,Diwan S. Rawat <sup>*1</sup>
P-56	'ONE-POT SEQUENTIAL APPROACH FOR THE CONSTRUCTION OF HIGHLY FUNCTIONALIZED TRIAZOLO[4,3-c]PYRIMIDINES' Khushbu Dodeja, yogesh bhola, Mayur Shiyal
P-57	Click Synthesis, Molecular Docking and Anticancer Evaluation of New Series of Saccharine-Triazole Hybrid Molecules Kaushik Pambhar <sup>a</sup> and Ranjan C. Khunt <sup>a</sup> *
P-58	Novel CuO@NiO nanoparticles catalysed synthesis of biologically active Indenoisoquinoline derivatives.  Manish Rawat and Diwan S. Rawat*



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P-59	Herbometallicnano-drug impairing mitochondrial metabolic alteration in breast cancer cells  Bhuban Ruidas <sup>1</sup> , SutapaSom Chaudhury <sup>1</sup> , Koel Sinha <sup>1</sup> , Pritha Das <sup>2</sup> , Parimal Karmakar <sup>3</sup> , Chitrangada Das Mukhopadhyay* <sup>1</sup>
P-60	SYNTHESIS, SPECTROSCOPIC, THERMAL AND FLUORESCENCE STUDIES OF SOME TRANSITION METAL BASED HETEROCHELATES Maulik Raja <sup>1</sup> , D. H. Jani <sup>2</sup> *
P-61	An efficient copper-mediated aerobic oxidative synthesis of Benzimidazo fused quinazolines MohdYeshab Ansari a,ByanjuRai, Promod Kumar and Atul Kumar,**
P-62	Design, Synthesis and Biological Activity of Novel N-Aryl-Indoles As Potential Anti–Prostate Cancer Agents Naval P. Kapuriya
P-63	Copper-Catalyzed Decarboxylative Regioselective Synthesis of 1,5-Disubstituted 1,2,3-Triazoles Navaneet Kumar, and Atul Kumar*,a,b
P-64	Efficient and Rapid Synthesis of HighlyFunctionalized Novel Symmetric 1,4DihydropyridinesUsing Glacial AceticAcid as Solvent Rahul Bambhani <sup>1</sup> , Abhay J Bavishi <sup>2</sup> ,Anamik Shah*
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P-67	Synthesis of pyrano sugar-amino acidbasedmacrocycles for anion inclusion applications Sandeep Kumar, Ankita Singh, Kavita and Ashok K. Prasad*
P-68	CNA and its derivatives: Antioxidant properties and Potential protective agents against oxidative stress induced atrophy Sanjeev Gupta*, Anita dua, Ashwani Mittal



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P-69	Microwave-Assisted Rapid Synthesis of Novel1,5-Benzodiazepine Derivatives as Potent Antimicrobial Agent Shailesh Thakrar <sup>†</sup> , Abhay J Bavishi <sup>†</sup> , Yvonne Fernandes <sup>†</sup> , Sushmita Ganguly <sup>†</sup> , Anamik Shah*
P-70	Mycobacterium tuberculosis membrane inhibitors: Design, synthesis, biological evaluation and ADME analysis Srishti Rawat, Tannu Priya Gosain, Ramandeep Singh and Diwan S. Rawat*1
P-71	Regioselective Synthesis of Fused Imidazo[1,2 a] pyrimidines Intramolecular C-N Bond Formation/6-Endo-Dig Cycloisomerization Sumedha Swarnkar, Mukesh Kumar, Shivam Mauryaand Atul Kumar
P-72	Phytochemical study of CapparisZeylanicaLinn. roots extract Sunil Kumar Mishra
P-73	RGO@CuI composites and Ni@CuI core-shellsas recyclable nanocatalysts for the synthesis of biologically active N-heterocycles <u>Upasana Gulati</u> , U. Chinna Rajesh and Diwan S. Rawat*
P-74	One-Pot Preparation of Highly Substituted Pyrimidine Derivatives Using Amidine and Ketene dithioacetals. <u>Vidya V. Jadvani</u> , Bhoomi M. Makwana, Y.T.Naliapara*
P-75	Synthesis of Double-headed Nucleosides from D-Glucose Vineet Verma and Ashok K. Prasad*
P-76	Convenient Route for the Synthesis of Substituted Chromanes from DMannose Vipin K. Maikhuri, Harbansh Singla and Ashok K. Prasad*
P-77	TBHP-Promoted Oxidative Ring Opening of Unprotected 2-Aryl/Alkylindoles: A Simple and Efficient Synthesis of 2-Amidobenzoic Acid Derivatives under Metal-free Conditions  Manu R. Srivathsa, Om P. S. Patel, Shiv Dhiman, Anil Kumar*
P-78	Design and Synthesis of Imidazo/Benzimidazo[1,2-c]quinazoline Derivatives and Evaluation of their Antimicrobial Activity Nitesh Kumar Nandwana, Anil Kumar



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P-79	Synthesis of Coumarin and Quinolinones Fused Aza-heterocycles <i>via</i> Ullmann Type C-N Coupling Reaction and Cross-dehydrogenative Coupling Sonam, Vikki N.Shinde, Shiv Dhiman, Anil Kumar
P-80	One-pot Sequential Knoevenagel Condensation and Oxidative Cross Coupling Reactions: Direct Accessof Imidazopyridine Fused Indoles Vikki N. Shinde, Shiv Dhiman, Dalip Kumar and Anil Kumar*
P-81	An Efficient One-Pot Synthesis and Exploration of Photophysical Properties of Triazole Tethered Boron-dipyrromethenes Bintu Kumar, Santosh B. Khandagale, Manish Mehra and Dalip Kumar*
P-82	Efficient Synthesis and Identificationof Indolyl-α-keto-1,3,4-oxadiazoles as Tubulin Interacting Potent Anticancer Agents Manu Bala <sup>a</sup> , Mukund P. Tantak <sup>a</sup> , Rachna Sadana <sup>b</sup> and Dalip Kumar <sup>a</sup>
P-83	Copper (II) catalyzed oxidative chemo- and regioselective dearomatization/dimerization of 2-arylindoles <a href="mailto:SatheeshvarmaVanaparthi">SatheeshvarmaVanaparthi</a> , Anoop Singh, Indresh Kumar*
P-84	Asymmetric synthesis off used 1,2-dihydropyridines <i>via</i> metal-reeformal[4+2] cyclo addition between aqueousglutaraldehyde and [ <i>b</i> , <i>f</i> ][1,4]oxazepineimines Amol P. Pawar, SachinChoudhary, Indresh Kumar
P-85	A simple entry to novel tetracyclic oxazepine-fusedpyrroles <i>via</i> metal-free [3+2] annulation between dibenzo[b,f][1,4]oxazepines and aqueous succinaldehyde SachinChoudhary, Jyothi Yadav, Indresh Kumar*
P-86	Additive-Driven Rhodium-Catalyzed [4+1]/[4+2] Annulations of <i>N</i> -Arylphthalazine-1,4-dione with α-Diazo Carbonyl Compounds Pidiyara Karishma, <sup>a</sup> Chikkagundagal K. Mahesha, <sup>a</sup> Devesh S Agarwal, <sup>a</sup> Sanjay Mandal, <sup>b</sup> and Rajeev Sakhuja <sup>a</sup> *
P-87	Iridium-Catalyzed [4+2] Annulation of 1-Arylindazolones with α-Diazo Carbonyl Compounds: Access to Indazolone-fused Cinnolines Chikkagundagal K. Mahesha, Devesh S. Agarwal, Pidiyara Karishma, Datta Markad, Sanjay K. Mandal, and Rajeev Sakhuja*



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P-88	PEGylated block-copolymer: A nano-drug vehicle as a drug candidate in Alzheimer's disease SutapaSom Chaudhury <sup>1</sup> , Mridula Nandi <sup>2</sup> , Vipin Kumar Mishra <sup>3</sup> , Jaya Sil <sup>4</sup> , Chitrangada Das Mukhopadhyay* <sup>1</sup>
P- <b>89</b>	Structure and solution behaviour of differently linked diubiquitins Sudipa Mondal, Sudit Sekhar Mukhopadhyay*
P-90	Enantioselective LCMS Method Development and Validation of Pregabalin Atul H. Bapodra*, Samir Vyas
P-91	Thermophysical and Spectral Study of Ternary Mixtures of β-pinene with N,N-DMF and Aromatic Hydrocarbons Jasmin Bhalodia & Sangita Sharma*
P-92	'One-Pot Synthesis of Fully Substituted Pyrimidines Using Amidine and Ketene dithioacetals as Synthons' Mayur Shiyal, Khushbu Dodeja, Prof. Y. T. Naliapara*
P-93	Natural products approach for the synthesis of quinazoline hybrids as potent antileishmanial agents Pradeep SinghChouhan, Pooja Purohit, Prakesh Ramalingam, NeenaGoyal, and Prem.M.S.Chauhan
P-94	Open Flask, Clean and Practical Protocol for Diastereoselective Syntheses of Oxindole Containing Phosphinoyl Compounds under Catalyst-Free and Solvent-Free Conditions  RekhaBai, Rakhee Choudhary, Pratibha Singh, R. Thakuria, Mahesh C. Sharma and Satpal Singh Badsara*
P-95	Room Temperature, Open Flask C-P Bond Formation on Water Under Catalyst-Free Conditions RakheeChoudhary, RekhaBai,Pratibha Singh, Mahesh C. Sharma and Satpal Singh Badsara*
P-96	Regio- and stereoselective C-S Bond formation uder metal-free conditions  Pratibha Singh, Rakhee Choudhary, Rekha Bai, Mahesh C. Sharma and Satpal Singh Badsara*
P-97	Tandem Michael addition of amines to substituted maleimide  AshaGuriar <sup>a</sup> , PragyaSinha <sup>b</sup> and R. K. Bansal <sup>b</sup>



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P-98	ZnO assisted photocatalytic degradation of explosive picrate in the presence of UV light $\underline{\text{J J Vora}}^*$ , L S Bhutadiya, V R Shukla
P-99	Synthesis of highly functionalized pyrido[2',1':2,3]imidazo[4,5-] isoquinolines through the sequence of Groebke-Blackburn-Bienayme and isocyanide insertion reaction under aqueous condition  Pooja Purohit, Pradeep Singh Chouhan, Ruchir kant, Prem M. S. Chauhan*
P-100	Chemoselective synthesis of <i>m</i> -teraryls through ring transformation of 2 <i>H</i> -pyran-2-ones by 2-(1-arylethylidene)-malononitriles Shally, Rahul Panwar, Ranjay Shaw, Amr Elagamy and Ramendra Pratap*
P-101	Computational Insight to Regioselective Synthesis of Pyrrolopyridine Derivatives and Biomolecularintercation AkankshaAgarwal, Neelima Gupta*
P-102	Phytochemical investigation of Petroleum ether seed extract of <i>Abrus precatorius</i> Ashok Kumar and Mahesh C. Sharma
P-103	Copper–Catalyzed 1,3-Dipolar Cycloaddition of IsoquinoliniumYlide Bindu, ManishaChoyal, Neelima Gupta*
P-104	Recent Advances on peroxide catalyzed C-S Bond formation under metal- free conditions Kamlesh Kumar Dabaria
P-105	GC-MS Analysis and Antimicrobial Activity of an Anti-dandruff botanical : Brassica juncea
P-106	<sup>18</sup> F/ <sup>11</sup> C-PET Radiochemistry Strategic challenges: Transforming Bench to Bedside  Manish Dixit, Akhilesh kumar Singh, Nilesh Shanker, Priya Saxena, and Sanjay Gambhir
P-107	BIOANALYTICAL METHOD AND FORCED DEGRADATION STUDIES OF CHLORDIAZEPOXIDE AND TRIFLUOPERAZINE COMBINATION BY RP-HPLC AND LC-Q-TOF  Ravindra K. Rawal <sup>a*</sup> , Raghav Dogra <sup>b</sup> , Rohit Bhatia <sup>b</sup> and Pawan Porwal <sup>b</sup>



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## SILVER-JUBILEE GELEBRATION 25th ISCB INTERNATIONAL CONFERENCE (ISCBC-2019)

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