



An International Conference on  
Nurturing Innovative Technological Trends in Engineering BIOscience (NITTE-BIO 2021)  
19<sup>th</sup> & 20<sup>th</sup> November 2021



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## Program Schedule

TIME	DAY I – NOVEMBER 19 <sup>th</sup> 2021	WEBLINKS
9.00am–9.15am	Briefing and Initiation <b>Dr. Ujwal P</b> , Professor and Head, Department of Biotechnology	<a href="https://youtu.be/ByJAoEAznRI">https://youtu.be/ByJAoEAznRI</a>
9.15 am–11.15 am	* <b>Paper Presentation:</b> <b>Parallel Session 1</b> Track: Enzyme Technology/Bioprocess Design & Engineering <b>Parallel Session 2</b> Track: Bioremediation and Biofuels	Parallel Session I: <a href="https://meet.google.com/fgn-xorz-fgt">meet.google.com/fgn-xorz-fgt</a> Parallel Session II: <a href="https://meet.google.com/vap-zhib-qyy">meet.google.com/vap-zhib-qyy</a>
10.00 am –11.15 am	<b>Session</b> Track: Green Synthesis of Nanoparticles and their Applications	<a href="https://meet.google.com/ydo-acoa-dmz">meet.google.com/ydo-acoa-dmz</a>
11.15 am–12.00 pm	<b>Keynote Lecture 1:</b> “UV-C radiation for controlling gray mold disease in cut roses” <b>Dr. Jairo C. Quijano</b> , Professor, Faculty of Basic Sciences, Colombian Polytechnic JIC, Medellin, Colombia	<a href="https://youtu.be/ByJAoEAznRI">https://youtu.be/ByJAoEAznRI</a>
12.00 pm-1.00 pm	<b>Keynote Lecture 2:</b> “Nurturing Innovative Technological Trends in Clinical Data Management/Pharmaceutical Industry” <b>Mr. Ibrahim Kamstrup Akkaoui</b> , Vice President, Data management Systems and Standards, Novo Nordisk, Denmark	<a href="https://youtu.be/ByJAoEAznRI">https://youtu.be/ByJAoEAznRI</a>
1.00 pm -2.00 pm LUNCH BREAK		



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2.00 pm–3.30 pm	<b>ICETE Inauguration and Keynote Address</b>	Link will be updated in <a href="http://www.nitte-bio2021.in/">http://www.nitte-bio2021.in/</a> one day before the conference
3.30 pm – 4.00 pm	<p><b>Keynote Lecture 3:</b>“Biotechnologies in radiopharmaceuticals development by the example of recombinant alpha fetoprotein as a vector in targeted radionuclide therapy and diagnostics.”</p> <p><b>Ms. Alena Semkina</b>, Deputy Director, (Chief Commercial Officer) V. G. Khlopin Radium Institute of Rosatom Corporation, Saint Petersburg, Russia</p>	<a href="https://youtu.be/ByJAoEAznRI">https://youtu.be/ByJAoEAznRI</a>

\*Tentative Schedule on Pages 3-4

TIME	DAY 2 – NOVEMBER 20 <sup>th</sup> 2021	WEBLINKS
9.30 am–10.15 am	<p><b>Keynote Lecture 4:</b> “Calveolin-I derived peptide (CSP7) treatment for pulmonary fibrosis”</p> <p><b>Dr. Sreerama Shetty</b>, Professor, School of Medical Biological Sciences, University of Texas Health Science Center, Tyler, TX, USA</p>	<a href="https://youtu.be/ByJAoEAznRI">https://youtu.be/ByJAoEAznRI</a>
10.15 am – 12.15 pm	<p><b>*Paper Presentation:</b></p> <p><b>Parallel Session I</b> Track: Pharmaceutical Biotechnology/Cancer Biology</p> <p><b>Parallel Session 2</b> Track: Bioremediation and Bio-fuels</p> <p><b>Parallel Session 3:</b> Track: Bioinformatics</p>	<p>Parallel Session I: <a href="meet.google.com/vgz-gzxd-hvj">meet.google.com/vgz-gzxd-hvj</a></p> <p>Parallel Session II: <a href="meet.google.com/vyw-xqkc-ioe">meet.google.com/vyw-xqkc-ioe</a></p> <p>Parallel Session III: <a href="meet.google.com/kud-btty-tkd">meet.google.com/kud-btty-tkd</a></p>
12.15 pm – 12.45 pm	<b>Valedictory and Stream Best Paper Announcements</b>	<a href="meet.google.com/cju-oskt-uot">meet.google.com/cju-oskt-uot</a>

\*Tentative Schedule on Pages 5-8



## Presentation Schedule – Track: Enzyme Technology/Bioprocess Design & Engineering

Day 1: November 19<sup>th</sup> 2021 - MORNING: Parallel Session I

Time: 9.15 am – 11.15 am IST

ID	TITLE	TIME
ID-5	Promiscuous enzyme from <i>Lysinibacillus</i> sp., its specificity, kinetics, and inhibition <i>B Prapti, S. Balaji</i>	9.25 am–9.35 am
ID-6	Bioengineering of L-Asparaginase production by halotolerant <i>Bacillus licheniformis</i> PPD37 strain using statistical approach of Response Surface Methodology (RSM) <i>Payal Patel, Haren Gosai</i>	9.35 am–9.45 am
ID-12	Stereomicroscopic analysis of Chlorophyll mutants in Ginger ( <i>Zingiber officinale</i> ) induced by EMS, Sodium Azide and Colchicine treatment <i>Neeta Shivakumar, Reshma Ram</i>	9.45 am–9.55 am
ID-23	Improving growth of sugarcane by application of microbial bio-formulation of endophytic bacteria <i>Arthee R, Kumutha K, Marimuthu P</i>	9.55 am–10.05 am
ID-37	Polyhydroxyalkanoates production using fish waste by <i>Bacillus megaterium</i> NCDC0679 <i>Mridul Umesh, Sreehari Suresh, Suma Sarojini, Adhithya Sankar Santosh, Kathirvel Preethi</i>	10.05 am–10.15 am
ID-41	Isolation and characterization of Laccase Producing Fungal Endophytes from Hulimavu Lake Flora <i>Saranya Jayaram, Suma Sarojini, Mridul Umesh</i>	10.15 am–10.25 am
ID-42	Cost effective triethylammonium hydrogen sulfate pretreatment of <i>Pennisetum polystachion</i> for enhanced fermentable sugar recovery <i>Najya Jabeen P, ChithraManisseri</i>	10.25 am–10.35 am
ID-47	Identification and Diagnosis of Bio-control agent <i>Pseudomonas fluorescens</i> by morphological features of the three rice isolates KRH-2, IR-64 and Swarna <i>Priyanka Chatterjee</i>	10.35 am–10.45 am
ID-50	Screening of Novel Protease Producing Halotolerant Bacteria from Bellandur Lake, Bangalore <i>Indhu Philip, Soma Biswas, Saranya Jayaram, Suma Sarojini</i>	10.45 am–10.55 am
ID-54	Microalgae as a feed additive in Aquafeed <i>SmitaKavadikeri, SumathraManokaran and A.H. Manjunatha Reddy</i>	10.55 am–11.05 am



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## Presentation Schedule – Track: Bioremediation and Biofuels

Day 1: November 19<sup>th</sup>2021 - MORNING: Parallel Session 2

Time: 9.15 am – 11.15 am IST

ID	TITLE	TIME
ID-2	Bacterial consortium for decontamination of oil-polluted soils: power of electronic bioinformatic databases <i>Iryna Ablieieva, Leonid Plyatsuk, Tong Liu, Iryna Berezyna, Ilona Yanchenko</i>	9.25 am–9.35 am
ID-13	Microbial remediation to the water bodies of Bangalore contaminated by industrial effluents containing heavy metals <i>Rashmi R, Manjula NG, Shilpa BM</i>	9.35 am–9.45 am
ID-14	Biodiesel Blends in Diesel by Improvement of Cold-Flow Properties of Karanja and Jatropha Biodiesel <i>Devendra Pratap Singh, Rajesh Kumar</i>	9.45 am–9.55 am
ID-18	Sustainable approach for biodiesel production and wastewater treatment by cultivating <i>Pleustrastrum insigne</i> in wastewater <i>Michael Van Lal Chhandama, Kumudini BelurSatyan</i>	9.55 am–10.05 am
ID-24	Adsorption of Pb (II) by extracellular polymeric substance of <i>Lysinibacillus</i> sp. SSI: Optimization, Kinetics and Isotherms <i>Kiran Rao U, Abhilash Gokhale, Anagha Arun, Louella Concepta Goveas</i>	10.05 am–10.15 am
ID-36	Study on drinking water quality analysis for physicochemical and microbial parameters <i>Dhanush N Begur, Vaishali Rai, Rizwana Abid</i>	10.15 am–10.25 am
ID-40	Bioremediation Potentials of <i>Portulaca grandiflora</i> and <i>Azospirillum</i> Sp. strain in Soil Contaminated with Lead and Cadmium <i>Shivani Acharya, Kiran Rao U, Chetan D.M.</i>	10.25 am–10.35 am



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19th & 20th November 2021

## Presentation Schedule – Track: Green Synthesis of Nanoparticles and their Applications

Day I: November 19<sup>th</sup>2021 – MORNING: Session

Time: 10.00 am – 11.15 am IST

ID	TITLE	TIME
ID-25	Glutathione Coated CdS/ZnS Quantum dots for cell imaging <i>Satyanarayana Swamy Vyshnava, Muralidhara Rao Dowlatabad</i>	10.05 am–10.15 am
ID-45	Biocompatible Chitosan Nanoparticles: Preparation and characterization for immobilization of fungal Laccase <i>Nitu Bharti, Rintu Banerjee, AvanthiAlthuri, Sanjeev Kumar, GujjalaLohit Kumar Srinivas</i>	10.15 am–10.25 am
ID-53	Exploring Bimetallic Au-Ag Core Shell nanoparticles reduced using leaf extract of <i>Ocimum tenuiflorum</i> as a potential antibacterial and nanocatalytic agent <i>Sneha Nayak, C Vaman. Rao, Srinivas Mutalik</i>	10.25 am–10.35 am
ID-55	Multi dye degradation, Antibacterial, Antidiabetic and Antioxidant assessment of silver nanoparticles (Ag-NPs) derived via leaves of <i>Smilax aspera</i> <i>Aayasha Negi, Prachi Rana, Rahul Kumar Vishwakarma, Devendra Singh Negi</i>	10.35 am–10.45 am



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## Presentation Schedule – Track: Pharmaceutical Biotechnology/Cancer Biology

Day 2: November 20<sup>th</sup>2021 - MORNING: Parallel Session I

Time: 10.15 am -12.15 pm IST

ID	TITLE	TIME
ID-4	Qualitative and Quantitative Phytochemical analysis, evaluation of Pharmacological activities, Isolation and Characterization of Bioactive Compound from the Roots of <i>Sterculia guttata</i> Roxb. <i>Dakshayini, Chaitanya Darapureddy, Phani R S Ch, V.K. Chintalapudi, Abhilash H A</i>	10.25 am–10.35 am
ID-7	Comprehensive phytochemical screening and antibacterial activity of leaf extracts of <i>Calotropis gigantea</i> <i>Ananth Kumar K C, Achshah Sujith, Swarnalatha B N</i>	10.35 am–10.45 am
ID-8	Invitro and In vivo studies of plant biochemicals against <i>Staphylococcus aureus</i> <i>Ananth Kumar K C, Jobi Xavier, Swarnalatha B N</i>	10.45 am–10.55 am
ID-17	Traditional Herbal Approaches for the Treatment of Arthritis in Dakshina Kannada district, Karnataka State, India <i>Yogeesha A, Krishnakumar G,</i>	10.55 am–11.05 am
ID-26	Molecular characterization of phage against <i>Escherichia coli</i> isolated from poultry waste <i>Chaitrapriya C. M, Juliet Mohan Raj, Rizwana Abid</i>	11.05 am – 11.15 am
ID-27	Phytochemical profiling and GC-MS analysis of bio-active compounds in ethanolic extract of <i>Cassia fistula</i> L. fruit <i>Rizwana Abid, Riaz Mahmood, Manjunatha Hanumanthappa</i>	11.15 am – 11.25 am
ID-32	Evaluation of hypoglycemic activities of commercial polyherbal antidiabetic formulations <i>Saptadipa Paul, Mala Majumdar</i>	11.25 am – 11.35 am
ID-34	Expression of PPAR isoforms in the liver of Metabolic syndrome induced C57BL/6j mice <i>Bhavya J N, Manasvi, Vijayalakshmi G, Asha Abraham</i>	11.35 am–11.45 am
ID-38	Role of alpha-adrenergic receptors on Glucose induced insulin secretion in vitro using mice pancreatic islets <i>Pooja, Vijayalakshmi G, Asha Abraham</i>	11.45 am–11.55 am
ID-43	Cytotoxic study of the extract of <i>Arenibacter latericius</i> from coastal waters of Karnataka on MCF-7 cell line <i>Annapoorna, Manjula. I.K, Ashoka CH</i>	11.55 am–12.05 pm
ID-44	Evaluation Of Anti-Cancer Activity of <i>Mucuna pruriens</i> Against Human Colorectal Adenocarcinoma <i>Sagar S, Rashmi K V</i>	12.05 pm–12.15 pm



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## Presentation Schedule – Track: Bioremediation and Biofuels

**Day 2: November 20<sup>th</sup>2021- MORNING: Parallel Session 2**

**Time: 10.15 am -12.15 pm IST**

ID	TITLE	TIME
ID-46	Sorbent-based Direct CO <sub>2</sub> Capture and Storage from Air <i>Sagir Khan, Abhishek Kumar, Lokeshwari N, Keshava Joshi</i>	10.25 am–10.35 am
ID-56	Performance evaluation of Hybrid Upflow Anaerobic Sludge Blanket reactors using different inert media for sewage treatment <i>Bina Birenkumar Patel, Pradipkumar J. Gundaliya</i>	10.35 am–10.45 am
ID-57	Microbial Remediation and In Silico Studies of Antifungal Compounds Carbendazim and Mancozeb Using Gut Isolates of <i>P. reticulata</i> <i>Suman Mallanna, Rasya Bhat, Sahana S Bharadwaj, Nidhi Narendranath, Seema Tharannum</i>	10.45 am–10.55 am
ID-58	Assessment of Particulate Matters from Vehicular Emission using Operational Street Pollution Model (OSPM) at Panjrapole, Ahmedabad (India) <i>Bina Birenkumar Patel, Sonali D. Patel, Pradipkumar J. Gundaliya</i>	10.55 am–11.05 am
ID-59	Potential of Biodiesel Production from Algae <i>Devendra Pratap Singh, Satyanand Jaiswal, RK Trivedi</i>	11.05 am – 11.15 am
ID-61	Physico-chemical analysis of Textile Industry Effluent and its Impact on Changes of Growth in <i>Vigna mungo</i> (Black gram) <i>HinaKousar, Chaithra C</i>	11.15 am – 11.25 am
ID-62	Opium Effluent Treatment via Biological Means <i>Gaurav Verma, Komal Pal, Akash Tripathi, Vinay Dwivedi</i>	11.25 am – 11.35 am



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## Presentation Schedule – Track: Bioinformatics

Day 2: November 20<sup>th</sup>2021- MORNING: Parallel Session 3

Time: 10.15 am -12.15 pm IST

ID	TITLE	TIME
ID-9	Docking studies of potential candidates as antiadhesins against UTI from <i>Garcinia indica</i> <i>Abhijeeth S Badiger, K R Maruthi, Shrisha Naik Bajpe, Avinash Ammanagi, K Jayadev</i>	10.25 am–10.35 am
ID-15	An In-Silico Approach to Develop Multi-Epitope and Multi-Valent Effective Vaccine against Human Papillomavirus to Combat Cervical Cancer <i>Anu John B, Ramachandra Prasad, Vanitha Krishnan</i>	10.35 am–10.45 am
ID-16	Integrative analysis of multi-omics data of COVID-19 <i>Manjunath Dammali, Bhavya Gangadharappa, Maruthi Katenahalli Rudrappa</i>	10.45 am–10.55 am
ID-19	In silico and in vitro analysis of Amlodipine besylate, a Dihydropyridine derivative: Tubulin as a Major Target <i>Sampurna Bhattacharya, Suvroma Gupta, Runa Sur</i>	10.55 am–11.05 am
ID-20	Insilico docking approach for functional prediction of food formulation towards gut health <i>Surya Ravi, Nita Hegde, PrapthiRADiga, Ronith J, Rashmi S. Shenoy</i>	11.05 am – 11.15 am
ID-30	HIV and Lipodystrophy – In Silico Screening, to Analyse the Association between HIV nef Protein/HIV Drugs with lipid droplet protein, Perilipin 3 using Bioinformatics tools <i>Hemalatha N, Manjusha GY, Shraddha Udaya Shetty, Anusha Kumari GY</i>	11.15 am – 11.25 am
ID-35	In Silico Assessment of Selective Alpha 2 Adrenoreceptor Antagonist over Alpha 2 Adrenergic Receptor in Mus musculus <i>M. Jyothi Kumari, Vijayalakshmi G, Asha Abraham</i>	11.25 am – 11.35 am
ID-51	Overrepresentation analysis of genes common to biological ageing and Alzheimer’s Disease reveals pathways related to cellular heat stress response and CDK5 dysregulation <i>Amruth Bhat, Shankaragouda Patil, Varsha Kachatti, Chaitanya Kagwade, Sharada P</i>	11.35 am–11.45 am