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Oral Presentations for Hybrid Conference

ORAL					
Time	Paper. Id.	Day	Topic	Name	Institute
	NBL21-OL-1		Structural and Electrical Characteristics of Mechanothermally Synthesized Bi(Co _{0.40} Ti _{0.40} Fe _{0.20})O ₃ Nanoceramic	Nripesh Kumar, P. C. Lalngilneia, Alok Shukla	Department of Physics, National Institute of Technology Mizoram, Aizawl-796012, India
	NBL21-OL-2		Twenty Five Years of Nanotechnology: A Bibliometric Analysis	Javaid Ahmad Wani, Shabir Ahmad Ganaie and Tahira Akhter	"1Department of Library and Information Science, University of Kashmir, Hazratbal-Srinagar, 190006 (J&K), India 2School of Life Science, Crescent B. S. Abdur Rahman, Institute of Science & Technology, Vandalur, Chennai, India, 600048"
	NBL21-OL-3		Heterogeneous Fenton process for dye degradation employing clay coated Manganese oxide nanoparticles	VarunaWatwe, Gauri Bandal and Preeti Kulkarni	Post-graduate and Research Centre, Department of Chemistry, MES AbasahebGarware College, Pune, India.
	NBL21-OL-4		CdSe QDs as an antifungal and bioimaging probe	Irshad A Mir ¹ , Tabasum Akhter ² , Aijaz A Wani ³ , Barkat Haussain ⁴ , M. A. Shah ⁵ , Zhu Ling ^{1*} .	¹ College of Physics and Optoelectronic Engineering, Shenzhen University, China-518060. ² Department of Botany, University of Delhi, New Delhi, India. Govt. Degree College, Kulgam, Jammu and Kashmir, India. ³ her-e-Kashmir University of Agricultural Sciences and Technology, Srinagar, Jammu and Kashmir, India. ⁴ Department of Physics, National Institute of Technology, Srinagar, Jammu and Kashmir, India

NBL21-OL-5		Preparation of Indian Reference Materials to get Accurate and Precise Measurements for Calibration of Powder X-Ray Diffractometer	Manju Kumari ^{1,2*} , N.Vijayan ² , Debabrata Nayak ^{1,2} , Kiran ^{1,2} and R.P.Pant ²	¹ Academy of Scientific and Innovative Research (AcSIR), CSIR-HRDC Campus, Ghaziabad, Uttar Pradesh – 201 002, India. ² CSIR – National Physical Laboratory, Dr K.S. Krishnan Road, New Delhi 110012, India
NBL21-OL-6		RE Dysprosium and Europium co-doped Lithium Fluoride Bismuth Borate Luminescent Glasses: Potential material for WLEDs	Jyoti Dahiya, Meena Malik, Ashima Hooda and Satish Khasa	¹ Department of Physics, DeenbandhuChhotu Ram University of Science and Technology, Murthal, Haryana India
NBL21-OL-7		Evaluation of cell line toxicity of Copper nanoparticles for intramammary treatment of mastitis in rat mastitis model	S. Taifa, A. Muhee, R.A. Bhat*, S.U. Nabi, M. Nisar and S.A. Hussain	Division of Veterinary Medicine, Faculty of Veterinary Sciences and Animal Husbandry, Srinagar, Jammu and Kashmir, India
NBL21-OL-8		Evaluation of Therapeutic Efficacy of Copper Nano particles in Staphylococcus aureus induced rat mastitis model	S. Taifa*, A. Muhee, R.A. Bhat, S.U. Nabi, S.A. Beigh and H.U. Malik	Division of Veterinary Medicine, Faculty of Veterinary Sciences and Animal Husbandry, Srinagar, Jammu and Kashmir, India
NBL21-OL-9		EFFECT OF NANO SILICA ON MECHANICAL PROPERTIES OF CONCRETE:- A REVIEW	Abhishek Priyadarshi ¹ Vikas Srivastava ²	Department of Civil Engineering, Sam Higginbottom University of Agriculture, Technology and Sciences, Prayagraj (U.P)- India
NBL21-OL-10		IoT Based Indoor Pollutant Controller	Akshit Kumar ^{1*} , Soliya Showkat ² , Arjun Thappa ³ , Amit Bhat ⁴ and S.K.Sharma ⁵	Dept. of ECE, Model Institute of Engineering and Technology, KotBhalwal, Jammu, 181122 (J&K), India
NBL21-OL-11		Heterogeneous Fenton Catalyst for Removal of Malachite Green	Nikhi Maria Raju, Sandra Ann Jacob, Emilin James, Sneha Rapheal, Anesa George	Department of Chemical Engineering, Amal Jyothi College of Engineering, Kanjirapally, Kottayam, Kerala
NBL21-OL-12		Improved antimicrobial and enhanced osteogenic properties of reduced Graphene Oxide and Hydroxyapatite based cryogels	Vianni Chopra ¹ , Jijo Thomas ¹ , Dr Swati Kaushik ¹ and Dr Deepa Ghosh ¹	Institute of Nano Science and Technology Knowledge City, Sector-81, SAS Nagar, Mohali-140306, Punjab
NBL21-OL-13		Synthesis of gold nanoparticles from Boswellia serrata (gum resin) and its biological potential	Madhulika Bhagat*, Rythem Anand and Pooja Sharma	School of Biotechnology, University of Jammu, Jammu, J&K-180006, India
NBL21-OL-14		Structural Rietveld Refinement and Estimation of Crystallite Size and Strain of Bismuth Molybdate	D. TrixyNimmy Priscilla ¹ , J. Kumar ² and G. Srinivasan	PG & Research Department of Physics, Government Arts College for Men, Nandanam, University of Madras, Chennai-600035, Tamil Nadu, India. 2 Crystal Growth

		(Bi ₂ MoO ₆) Nanoplates Synthesized via Solvothermal Method		Centre, Anna University, Chennai-600025, Tamil Nadu, India
NBL21-OL-15		Nanostructured Anti-Glare Coatings to Automobile Glasses	Madhusudhana R ^{*1} , Sushma K L ¹ , Chandra Shekar K ¹ , L. Krishnamurthy ¹ , Gopalakrishne Urs ²	¹ Centre for Nanotechnology, Department of Mechanical Engineering, The National Institute of Engineering, Mysuru. ² Department of Physics, The National Institute of Engineering, Mysuru-08
NBL21-OL-16		A Facile and Efficient Process for Rufinamide Drug Synthesis	Abdul Selim and GovindasamyJayamurugan	Institute of Nano Science and Technology (INST), Knowledge City, Sector 81, Mohali, Punjab 140306, India
NBL21-OL-17		Photoluminescence quenching and charge transfer dynamics in CsPbBr ₃ -Ti ₃ C ₂ T _x MXene QD/QD system and application as On-Off-On photoluminescence probe for Cd ion detection	Padmini Pandey ^{1*} , Arundhati Sengupta ¹ , Aditya D. Mohite ^b and SatishchandraOgale	¹ Department of Physics and Centre for Energy Science, Indian Institute of Science Education and Research (IISER), Pune, Dr. Homi Bhabha Road, Pune, 411008, India. ² Department of Chemical and Biomolecular Engineering, Rice University, Houston, Texas 77005, United States
NBL21-OL-18		Cross-linked green eco-friendly cellulose film for wrapping purpose	KulsoomKoser and Athar Adil Hashmi	Department of Chemistry, Jamia Millia Islamia New Delhi (India) - 110025
NBL21-OL-19		Black Cotton Soil Stabilization Using Nanocomposite Based Hydrogels	Madhusudhana R ^{*a} , Lovesome Benedict S ^a , L. Krishnamurthy ^a and R GopalakrishneUrs ^b	^a Centre for Nanotechnology, Department of Mechanical Engineering, The National Institute of Engineering(NIE), Mysuru – 570 008, Karnataka, India. ^b Department of Physics, The National Institute of Engineering(NIE), Mysuru – 570 008, Karnataka, India
NBL21-OL-20		Growth, Optical, Laser damage threshold and Third harmonic generation studies of bulk Itaconic acid single Crystal: A potential Candidate for Laser applications	Debabrata Nayak ^{1,2} , N. Vijayan ^{1,2*} , Manju Kumari ^{1,2} , Kiran ^{1,2} , R.P. Pant	Academy of Scientific and Innovative Research, CSIR-Human Resource Development Centre, (CSIR-HRDC) Campus, Ghaziabad, Uttar Pradesh- 201002. CSIR – National Physical Laboratory, Dr. K.S. Krishnan Road, New Delhi – 110012, India
NBL21-OL-21		Template-free High Surface Area Mn ₂ O ₃ Nanomaterials for photochemical Water Oxidation Activity	Ravi K. Kunchala, Pushpendra,Rimple Kalia, Boddu S. Naidu	Energy and Environment Unit, Institute of Nano Science and Technology (INST), Phase 10, Sector 64, Mohali, Punjab-160062, India
NBL21-OL-22		ZrO ₂ – TiO ₂ Multilayered Nanostructured Coatings on AA5052 Substrates as Corrosion Resistant Coatings	Madhusudhana R ^{1*} , Navyashree K C ¹ , L Krishnamurthy ¹ , R Gopalakrishne Urs ²	¹ Centre for Nanotechnology, Department of Mechanical Engineering, The National Institute of Engineering (NIE), Mysuru – 570 00 8, Karnataka, India ² Department of Physics, The National Institute of Engineering (NIE), Mysuru – 570 008, Karnataka, India

	NBL21-OL-23		Investigation of EDFA based DFB Laser Source Optical Link	Abeena Gulzar ¹ , Gausia Qazi ¹	¹ Department of Electronics and Communication Engineering, National Institute of Technology, Srinagar 190006, India
	NBL21-OL-24		Tweaking the self-assembly of amyloid-like peptide fibres to hierarchical functional materials	Deepika Gupta, ^a Ashmeet Singh, ^a Ranjan Sasmal, ^b Jojo P. Joseph, ^a Sarit Agasti, ^b Asish Pal	^a Chemical Biology Unit, Institute of Nano Science & Technology, Mohali, Punjab. ^b Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Jakkur, Bangalore
	NBL21-OL-25		EFFECT OF CURING ON MECHANICAL PROPERTIES OF CONCRETE	Indra Kumar Pandey ^{1*} , Parah Salsabeel Jalal ² , Ashok Kumar Tiwari ³ , Vikas Srivastava ⁴	Research scholar, Department of civil engineering, National institute of Technology, Jamshedpur, Jharkhand, India. Research scholar, Department of civil engineering, Sam Higginbottom University of Agriculture, Technology and Sciences, Prayagraj (U.P), India. Vice Precedent-Technical, UltraTech Cement Limited, Lucknow, India. Associate professor, Department of civil engineering, Sam Higginbottom University of Agriculture, Technology and Sciences, Prayagraj (U.P), India
	NBL21-OL-26		A novel study on the synthesis of metalloresin through non-conventional approach to explore its flame retardancy	Iram Fayaz ¹ , G.M. Peerzada ² , and Nadeem Bashir ³	Department of Chemistry, University of Kashmir, Srinagar, India. Department of Chemistry, Govt. College for women, Nawakadal Srinagar, India
	NBL21-OL-27		Electron Beam Evaporated WO ₃ Thin Film as UV-A Photodetector	Rajshree Rajkumari ¹ and Naorem Khelchand Singh ^{1,*}	¹ Department of Electronics and Communication Engineering, National Institute of Technology Nagaland, Dimapur 797103, India
	NBL21-OL-28		Influence of Ag nanoparticles on the photocatalytic activity of vertically oriented CeO ₂ nanorods using GLAD technique	Ngasepam Monica Devi ¹ and Naorem Khelchand Singh ^{1,*}	¹ Department of Electronics and Communication Engineering, National Institute of Technology Nagaland, Chumukedima, Dimapur, Nagaland, India- 797103.
	NBL21-OL-29		Analysis of Mancozeb Pesticide in Apple Jam using GC/MS and QuEChERS sample preparation.	Maena Naman Shafiee, F. A. Masoodi, Sajad Mohd Wani	Department of Food Science and Technology, University of Kashmir
	NBL21-OL-30		Hydrothermal Synthesis Of Cnt-Ga ₂ O ₃ Nanoparticles And Their Application On Photocatalytic Activity, A Platform To Quick &	Akshatha G ^{ab} , Madura ^c , Srikantaswamy S.S. ^{ab}	^a Department of Studies in Environmental Science, University of Mysore, Manasagangotri, Mysore 570006, India. ^b Centre for Materials Science and Technology, Vijnana Bhavan, University of Mysore, Manasagangotri,

			Detect Volatile Organic Compound		Mysore 570006, India. Department of Studies in physics , University of Mysore, Manasagangotri, Mysore 570006, India
	NBL21-OL-31		MORTIERELLA ALPINA CS10E4, AN OLEAGINOUS FUNGAL ENDOPHYTE OF CROCUS SATIVUS L. ENHANCES APOCAROTENOID BIOSYNTHESIS AND STRESS TOLERANCE IN THE HOST PLANT	Zahoor Ahmed Wani ^{1,2} , Nasheeman Ashraf ²	¹ Government Degree College Kishtwar, Kishtwar, 182204, India. ² Academy of Scientific and Innovative Research, CSIR-Indian Institute of Integrative Medicine, Canal Road, Jammu Tawi, 180001, India. ³ Plant Biotechnology Division, CSIR-Indian Institute of Integrative Medicine, Sanat Nagar, Srinagar, 190005, India
	NBL21-OL-32		Influence of Iron on the structural and optical properties of Zinc Oxide nanoparticles for Nanophotonic applications	G. Akshatha ^{1,2} , J. Martin Sam Gnanaraj ^{3*}	¹ Department of Studies in Environmental Science, University of Mysore, Manasagangotri, Mysore 570006, Karnataka, India. ² Department of Studies in Physics, University of Mysore, Manasagangotri, Mysore 570006, Karnataka, India. ³ PG and Research Department of Physics, National College (Autonomous), Tiruchirappalli- 620001, Tamilnadu, India
	NBL21-OL-33		Maneuvering fluid motion and flow induced detection of toxins by enzyme multilayer film	Arshdeep Kaur Gill, Debabrata Patra*	Institute of Nano Science and Technology (INST), Sector-81, Knowledge city, SAS Nagar, Mohali 140306, Punjab, India
	NBL21-OL-34		IMMUNE MODULATING AND ANTI VIRAL PROPERTIES OF MUSHROOMS AND THE CONTROL OF COVID -19	Dr. Mohd Manzoor u[Haq ¹ Prof. Vandana Rathod	Research Scholar Department of Microbiology Gulbarga university. Professor and Chairperson Department of Microbiology Gulbarga University Kalburagi.
	NBL21-OL-35		Designing cellulose based functional materials for applications in energy and health care	Sourav Sen, KamalakannanKailasam*, Sangita Roy*	Institute of Nano Science and Technology, Sector-81, Manauli, Mohali, Punjab-140306, India.
	NBL21-OL-36		A REVIEW OF FUNDAMENTAL CONCEPTS, OPPORTUNITIES AND CHALLENGES	Romana Yousuf ^{1,2} ,Gausia Qazi ¹	Department of Electronics & Communication Engineering, NIT Srinagar, 190006 (J&K), India. Islamic University of Science & Technology, Awantipora, Pulwama, 192122, (J&K), India.
	NBL21-OL-37		Drying of whole lotus (Nelumbo nuciferaGaertn) rhizome slices: Effect of drying condition and slice thickness on various powder characteristics	Qazi Showkat Ashraf ¹ , Syed Darakshan Majeed ² , Hilal A. Makroo ³	1.Research Scholar, Department of Food Technology, IUST, Awantipora, J&K, India

NBL21-OL-38		Investigation on the synthesis of porous graphene network for energy application	T. Anusuya ¹ , and Vivek Kumar ^{1,*}	Department of Physics, Indian Institute of Information Technology, Design and Manufacturing, Melakottaiyur, Kancheepuram, Chennai– 600 127, India
NBL21-OL-39		Employing Nanoparticles as a Remedy to Mitigate Gastrointestinal Nematodes	Farah Naaz ^{1*} , MohdShaharyar Wani ² , Hidayatullah Tak ¹ , Showkat Ahmad Gani ³	¹ Department of Zoology University of Kashmir, Srinagar- 190006, Kashmir. ² CART, Indian Institute of Technology Delhi ³ Department of Clinical Biochemistry University of Kashmir
NBL21-OL-40		Design and Simulation of Graphene-based Microelectrode for Efficient Stimulation and Low Power Dissipation in the Retinal Prosthesis	Sharique Ali Asghar ^{1*} , Manjunatha Mahadevappa ²	¹ School of Nano Science and Technology, Indian Institute of Technology Kharagpur, West Bengal, 721302, India. ² School of Medical Science and Technology, Indian Institute of Technology Kharagpur, West Bengal, 721302, India.
NBL21-OL-41		Synthesis and characterization of Psyllium hydrogel loaded with silver nanoparticles and it's in vitro antimicrobial activity.	Aswini Priya E K and Vinita Vishwakarma	Centre for Nanoscience and Nanotechnology, Sathyabama Institute of Science and Technology, Chennai-600119, India
NBL21-OL-42		Nutraceutical Preparation Through Nano-Food Delivery System	QuraazahAkeemu Amin ¹ , Anam Aijaz ² , Towseef A. Wani ¹ and Afsah Iqbal Nahvi ³ .	1.Food Science and Technology. Shere Kashmir University of Agricultural Sciences and Technology, Kashmir, India.
NBL21-OL-43		Efficacy Evaluation of Different Waterproofing Compounds in Concrete	ParahSalsabeel Jalal ^{1*} , Indra Kumar Pandey ² , Ashok Tiwari ³ , Vikas Srivastava ⁴	Department of Civil Engineering, Sam Higginbottom University of Agriculture, Technology and Sciences, Prayagraj(U.P.), India. Department of Civil Engineering, Sam Higginbottom University of Agriculture, Technology and Sciences, Prayagraj(U.P.), India. UltraTech Cement Limited, Lucknow, India. Department of Civil Engineering, Sam Higginbottom University of Agriculture, Technology and Sciences, Prayagraj(U.P.), India
NBL21-OL-44		Use of Nanomaterial- An Attempt to Reduce Carbon Footprint of Highway Constructions	Ambikesh Singh ¹ , ParahSalsabeel Jalal ^{2*} , Ashok K. Tiwari ³ , Vikas Srivastava ⁴	Assistant Quality cum Material Expert, SA Infrastructure Consultants Pvt. Ltd. Research Scholar, Dept. of Civil Engineering, Sam Higginbottom University of Agriculture, Technology and Sciences, Prayagraj (U.P.). Vice President-Quality & Technical Services Cement Marketing Division, UltraTech Cement Limited. Associate Professor, Dept. of Civil Engineering, Sam Higginbottom University of Agriculture, Technology and Sciences, Prayagraj (U.P.)

NBL21-OL-45	Experimental investigation and process parameter optimization in nano polishing of helical gear using abrasive flow finishing	Irfan Ahmad Ansari ^a , Dipti Sharma ^b , Kamal K Kar ^{a,b,*} and J. Ramkumar ^a	^a Department of Mechanical Engineering, Indian Institute of Technology Kanpur, Kanpur-208016, India. ^b Advanced Nanoengineering Materials Laboratory, Materials Science Programme, Indian Institute of Technology Kanpur, Kanpur-208016, India.
NBL21-OL-46	Self-healing and Flexible Supercapacitor for Wearable and Portable Electronics	Kapil Dev Verma ¹ and Kamal K. Kar ^{1,2*}	Advanced Nanoengineering Materials Laboratory, Materials Science Programme, Indian Institute of Technology Kanpur, Kanpur-208016, India. Advanced Nanoengineering Materials Laboratory, Department of Mechanical Engineering, Indian Institute of Technology Kanpur, Kanpur-208016, India.
NBL21-OL-47	Zero value waste human hair to high value functional carbon nanosheets for superior charge storage supercapacitor	Prerna Sinha ¹ and Kamal K. Kar ^{1,2}	Advanced Nanoengineering Materials Laboratory, Materials Science Programme, Indian Institute of Technology Kanpur, Kanpur-208016, India. Advanced Nanoengineering Materials Laboratory, Department of Mechanical Engineering, Indian Institute of Technology Kanpur, Kanpur-208016, India.
NBL21-OL-48	Coal Fly Ash Cenospheres and its Application in Polymer Composites	Shania Zehra Naqvi ^a , J. Ramkumar ^b and Kamal K Kar ^{a,b,*}	^a Advanced Nanoengineering Materials Laboratory, Materials Science Programme, Indian Institute of Technology Kanpur, Kanpur-208016, India. ^b Department of Mechanical Engineering, Indian Institute of Technology Kanpur, Kanpur-208016, India.
NBL21-OL-49	Triphenylamine and terpyridine–zinc (II) complex-based donor–acceptor soft hybrid as a visible light driven hydrogen evolution photocatalyst	Debabrata Samanta, ^{*a} Manish Kumar, ^a Sugandha Singh, ^b Parul Verma ^c , Kamal K. Kar, ^{*b} Tapas Kumar Maji ^{*c} and Manas K Ghorai ^{*a}	^a Department of Chemistry, Indian Institute of Technology, Kanpur 208016, India. ^b Advanced Nanoengineering Materials Laboratory, Materials Science Programme and Department of Mechanical Engineering, Indian Institute of Technology Kanpur, Kanpur-208016, India. ^c Molecular Materials Laboratory, Chemistry and Physics of Materials Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore-560064.
NBL21-OL-50	Study of matrix–filler interaction through correlations between structural and viscoelastic properties of carbonous–filler/polymer–matrix composites	Alok K. Pandey, ¹ Tanvi Pal, ^{1,2} Raghunandan Sharma, ³ Kamal K. Kar ^{1,3,*}	¹ Advanced Nanoengineering Materials Laboratory, Materials Science Programme, Indian Institute of Technology Kanpur, 208016, India ² A.P.J. Abdul Kalam Technical University, Lucknow 226031, India ³ Advanced Nanoengineering Materials Laboratory, Department of Mechanical Engineering, Indian Institute

					of Technology Kanpur, 208016, India
	NBL21-OL-51		Fabrication and Characterization of ZnONPs/PEDOT: PSS based UV photodetector	Rishibrind Kumar Upadhyay, Satyabrata Jit	Indian Institute of Technology (BHU), Varanasi
	NBL21-OL-52		BIOACTIVE METABOLITES OF MEDICINAL PLANTS IN CANCER PREVENTION AND TREATMENT: A REVIEW	Umer Majeed Khaja ^{1,2} , Amit Sehgal ¹ , Showkat Ahmad Ganie ² , Ab Ahad Bhat ³	¹ Department of Zoology/ School of Bioengineering and Biosciences, Lovely Professional University, Punjab, India. ² Department of Clinical Biochemistry, University of Kashmir ³ Department of Zoology, University of Kashmir
	NBL21-OL-53		Use of Dandelion (<i>Taraxacum officinale</i>) Leaf Powder for the Development of Functional Chicken Meat Loaves	SadiyaSajad, S R Ahmad, M A Pal, A H Sofi, S A Wani and Heena Jalal	Division of Livestock Products Technology, Faculty of Veterinary Sciences & Animal Husbandry SKUAST-K
	NBL21-OL-54		Development of injectable hydrogel augmented by ECM-mimetic functionalities for cartilage tissue engineering	Jijo Thomas, Vianni Chopra, Deepa Ghosh*	Chemical Biology Unit, Institute of Nano Science and Technology, Knowledge City, Sector 81, Mohali, Punjab 140306, India.
	NBL21-OL-55		Reduced Graphene Oxide and Hydroxyapatite based nanocomposites with enhanced antimicrobial properties for bone tissue engineering.	Vianni Chopra ¹ , Jijo Thomas ¹ , Anjana Sharma ¹ , Dr Vineeta Panwar ¹ , Dr Swati Kaushik ¹ and Dr Deepa Ghosh ¹	Institute of Nano Science and Technology Knowledge City, Sector-81, SAS Nagar, Mohali-140306, Punjab
	NBL21-OL-56		Disentangle Temperature and Dielectric Environment Dependent Electron-Phonon Coupling in Plasmonic Gold Nanoparticles Embedded in Glassy Films	Nandan Ghorai [#] , Goutam De ^{#*} and Hirendra Nath Ghosh ^{#§*}	[#] Institute of Nano Science and Technology, Knowledge City, Sector 81, SAS Nagar, Mohali, Punjab-140306, India. [§] Radiation and Photochemistry Division, Bhabha Atomic Research Centre, Mumbai - 400085, India.
	NBL21-OL-57		Green Synthesis, Characterization and Antimycotic Activities of Silver Nanoparticles (AgNPs) from Basidiomycetous Mushroom	John Mohd War ^{*1} , Anees-Un-Nisa ¹ , Nayeema Jan ¹ , Abdul Hamid Wani ¹ , MohdYaqub Bhat ¹	¹ Plant Pathology and Mycology, Department of Botany, University of Kashmir, Srinagar 190006.
	NBL21-OL-58		Antioxidant potential of Zinc Oxide Nanostructures Prepared by Facile Green Synthesis	Arpita Dey [*] , SM. Sundarapandian	Department of Ecology & Environmental Sciences, Pondicherry University, Puducherry, India
	NBL21-OL-59		Non-Linearities in Long-haul Optical Communication and its Mitigation	Zahid G Khaki ¹ , Dr. Gausia Qazi ²	1,2 Department of Electronics & Communication Engineering, National Institute of Technology Srinagar,

					Hazratbal-Srinagar, 190006 (J&K), India
	NBL21-OL-60		Carbon cloth-based flexible nanobioplatfrom toward sensitive and label-free detection of vitmin-D ₃	Deepika Chauhan, Amit K. Yadav, and Dr. Pratima R Solanki*	Special Centre for Nanoscience, Jawaharlal Nehru University, New Delhi-110067
	NBL21-OL-61		Curcumin Loaded Nanoemulsions: Formulation, characterization and in vitro release properties	Neha Sharma ^a , GurkiratKaur ^b , Sunil Kumar Khatkar ^c	Department of Food Science and Technology, Punjab Agricultural University, Ludhiana, Punjab, India. b Electron Microscopy & Nanoscience Lab, Punjab Agricultural University, Ludhiana, India. c By-products Utilization Lab, Department of Dairy Technology, College of Dairy Science and Technology, Guru Angad Dev Veterinary & Animal Sciences University, Ludhiana, India
	NBL21-OL-62		Shelf-life extension of muffins coated with cinnamon and clove oil nanoemulsions	Prastuty*, Gurkirat Kaur and Arashdeep Singh	Department of Food Science & Technology, Punjab Agricultural University, Ludhiana, Punjab 141001
	NBL21-OL-63		Length weight relationship and condition factor of Schizothoraxniger inhabiting Manasbal lake, Kashmir, India.	Tabasum Yousuf*, Saima Andrabi, Abrar Ahmad Bhat, Mohammad Yasir Arafat and Yahya Bakhtiyar	¹ Fish Biology and Limnology Research Laboratory, Department of Zoology, University of Kashmir, Srinagar-190006, Jammu and Kashmir, India
	NBL21-OL-64		Studies on macrobenthic invertebrates in relation to stream ecology from Kashmir Himalaya	Zahoor Ahmad Mir*, Maqsooda Akhtar, Raheela Mushtaq, Mohammad Yasir Arafat and Yahya Bakhtiyar	Fish Biology and Limnology Research Laboratory, Department of Zoology, University of Kashmir, Srinagar-190006, Jammu and Kashmir, India
	NBL21-OL-65		Nanotechnology and its application in Nutraceuticals	Aafreen Naseer, Dr. Abdul Rouf	Division of Food Science and Technology, Sher-e-Kashmir University of Agricultural Sciences and technology, Shalimar.
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