



# “Nanotechnology for Better Living”



Hybrid’ scientific NBL convention aim to offer the best of in-person and virtual meetings

**Special Session (After Inaugural - ONLINE)**

NBL Convention From 7-11 September 2021 in Hybrid Mode

**Day 1- Tuesday**

7 September 2021

Over all I/C:

Students Coordinator:

Chairperson:

	Time	Name & Affiliation	Title of the talk	
S-1	02.30pm - 02:45pm	Photothermal steam generation; a greener way of water purification	Dr. Ashok Bera	Department of Physics, Indian Institute of Technology Jammu, Nagrota-Jammu, 181221
S-2	02.45pm - 03:00pm	An Urgent Need for Accurate and precise Measurements for Advanced Scientific Research	Dr. N. Vijayan	CSIR-National Physical Laboratory, Dr KS Krishnan Marg, New Delhi – 110 012.
S-3	03.00pm - 03:15pm	Fluorometric Nanosensors for the detection of antibiotics in food samples	Dr. Pratima Solanki	Special Centre for Nanoscience Jawaharlal Nehru University, New Delhi - India
S-4	03.15pm - 03:30pm	The effect of non-drug spacers on a true drug-polymer and their antimicrobial activity	Dr. Govindasamy Jayamurgan	Institute of Nano Science and Technology, Knowledge City, Sector 81, Mohali, Punjab.
S-5	03.30pm - 03:45pm	TITLE	Dr. Alok Shukla	Dept. of Physics, NIT Mizoram.
S-6	03.45pm - 04:00pm	Design verification of safety critical embedded systems	Dr. Lalit Kumar Singh	NPCIL-BARC, Mumbai-94
S-7	04.00pm - 04:15pm	Ag/CNT hybrid nanofluid- Preparation and Characterization for Heat transfer Applications	Dr. Shipra Mittal Gupta	USBAS Guru Gobind Singh Indraprastha University, New Delhi 110078, India.
S-8	04.15pm - 04:30pm	Evolution of Magnetic Properties in Hydrothermally Synthesized MnO <sub>2</sub> Functional Oxide	Prof. Chandana Rath	Dept. of Physics, IIT, BHU
S-9	04.30pm - 04:45pm	50 keV ion beam processing of InP-Studies of formation of self-organized nanodots and understanding their evolution with surface	Dr. Indra Sulaniya	Inter University Accelerator Centre, Aruna Asaf Ali Marg, New Delhi 110067, India.
S-10	04:45pm-05:00pm	Implications of curcumin derived Carbon-dots on biomedical applications	Prof. Deepa Ghosh, PhD. Scientist F,	Institute of Nano Science and Technology, Sector-81, Knowledge City, Mohali, SAS Nagar 140306
S-11	05:00pm-05:15pm	CATHODE MATERIALS FOR INTERMEDIATE-TEMPERATURE SOLID-OXIDE FUEL CELLS	Dr. Mudasir A. Yattoo	Imperial College London, UK
S-12	05:15pm-05:30pm			
S-13	05:30pm-05:45pm	Growth and Characterization of Single Crystal Alumina using 3N Pure Alumina Powder	Dr. Priyanka Nayar	Jawaharlal Nehru Aluminium Research Design and Development Centre, Wadi, Nagpur, Maharashtra, India
S-14	05:45pm-06:00pm	Highly flexible sodium ion conducting polyvinyl alcohol (PVA)-polyethylene glycol (PEG) blend composites material for energy storage applications	Dr. Mohd Sadiq	Department of Physics, Jamia Millia Islamia (A Central University), New Delhi-110025, India
Concluding Remakes by chairpersons & written report			Certificate Distribution I/C:	



# “Nanotechnology for Better Living”



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NBL Convention From 7-11 September 2021 in Hybrid Mode

**Day 2- Wednesday,**

**8 September 2021**

**Session – 1(Speaker)**

Over all I/C: **Dr Farooq A Dar**

Students Coordinator: **Surbhi/Tanzeela**

Chairperson:

	<b>Time (am)</b>	<b>Title of the talk</b>	<b>Name</b>	<b>Affiliation</b>
S-1	09:30 - 09:45	Eco - Fabrication of Nanomaterials, and their applications in healthcare, agriculture, environment, energy and life sciences.	Prof. Absar Ahmad	Director, AMU
S-2	09:46 - 10:00	Nanotechnology for Civil Engineering	Prof. Na (Luna) Lu	USA
S-3	10:01 - 10:15	Freestanding biocompatible composite films for futuristic bandage material	Dr. Shamima Hussain	UGC-DAE Consortium for Scientific Research, K.alpakkam Node, Kokilamedu, TN
S-4	10:16 - 10:30	Organo – clay hybrid: promising candidate for optoelectronics applications	Prof. Syed Arshad Hussain	Department of Physics, Tripura Uni., Suryamaninagar - Tripura, India, 799022
S-5	10:31 - 10:45	Nanocatalysts for H <sub>2</sub> Energy Generation and Organic Transformations	Dr. Tokeer Ahmad	Department of Chemistry, Jamia Millia Islamia, Delhi.
S-6	10:46 - 11:00	Intervention of Bacillus haynesii for One Pot Synthesis of Zinc Oxide Nanoparticles of Biomedical Application	Dr. Suriya Rehman	Dept. of Epidemic Disease Research, Institute for Research & Medical Consultations, (IRMC), Imam Abdulrahman Bin Faisal University, Saudi Arabia
S-7	11.00 - 11.15	Green Synthesis of Copper NanoParticle by Flower bud Extract	Dr. Anita Rajkumar Gandhee	Department of Soil Science & Agriculture Chemistry, University of Horticultural Science, 104, Karanataka
S-8	11:15 - 11:30	Smart Traffic Signal Light Activation System	Mrs. Dakshayani. R	Fr.C.Rodrigues Institute of technology, Vashi-Navi Mumbai
S-9	11:31 - 11:45	Analyzing the need and importance of Nanotechnology education in education system	Dr. (Ms.) Anupam	R.L.S College of Education, Sidhrawali, Gurugram, Haryana
S-10	11:46 - 12:00	Photoluminescence quenching and charge transfer dynamics in CsPbBr <sub>3</sub> -Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene QD/QD system and application as On-Off-On photoluminescence probe for Cd ion detection	Dr. Padmini Pandey	Indian Institute of Science Education and Research (IISER), Pune, Dr. Homi Bhabha Road, Pune,
<b>S-11</b>	<b>2:00 – 2:30</b>	<b>Trust, Fairness and Justice in health and pharmaceuticals sciences</b>	<b>Professor Emeritus Tan Sri Dato' Dzulkifli Abdul Razak,</b>	<b>Rector, International Islamic University Malaysia</b>
Concluding Remakes by chairpersons & written report			Certificate Distribution I/C:	



# “Nanotechnology for Better Living”

Hybrid’ scientific NBL convention aim to offer the best of in-person and virtual meetings



**Session –2 (Oral)**

NBL Convention From 7-11 September 2021 in Hybrid Mode

Day 2- Wednesday,

8 September 2021

Over all I/C: **Dr A H Sofi**

Students Coordinator: **Mudasir/Durakshan**

Chairperson:

	Time (pm)	Title of the talk	Name	Affiliation
NBL21-OL-006	12:01 - 12:10	Hydrothermal Synthesis Of Cnt-Ga <sub>2</sub> O <sub>3</sub> Nanoparticles And Their Application On Photocatalytic Activity, A Platform To Quick & Detect Volatile Organic Compound	Akshatha Gab	Department of Studies in Environmental Science, University of Mysore, Manasagangotri, Mysore 570006, India.
NBL21-OL-012	12:11 - 12:20	Analysis of Mancozeb Pesticide in Apple Jam using GC/MS and QuEChERS sample preparation	Maena Naman Shafiee	Department of Food Science and Technology, University of Kashmir
NBL21-OL-013	12:21 - 12:30	Evaluation of Therapeutic Efficacy of Copper Nano particles in Staphylococcus aureus induced rat mastitis model	S. Taifa	Division of Veterinary Medicine, Faculty of Veterinary Sciences and Animal Husbandry, Srinagar, Jammu and Kashmir, India
NBL21-OL-014	12:31 - 12:40	Twenty-Five Years of Nanotechnology: A Bibliometric Analysis	Javaid Ahmad Wani	Department of Library and Information Science, University of Kashmir, Hazratbal-Srinagar
NBL21-OL-017	12:41 - 12:50	Growth, Optical, Laser damage threshold and Third harmonic generation studies of bulk Itaconic acid single Crystal: A potential Candidate for Laser applications	Debabrata Nayak	CSIR – National Physical Laboratory, Dr. K.S. Krishnan Road, New Delhi – 110012, India
NBL21-OL-018	12:51 - 01:00	Preparation of Indian Reference Materials to get Accurate and Precise Measurements for Calibration of P-X-Ray Diffractometer	Manju Kumari	CSIR – National Physical Laboratory, Dr K.S. Krishnan Road, New Delhi 110012, India
NBL21-OL-020	01:01 - 01:10	Cross-linked green eco-friendly cellulose film for wrapping purpose.	Kulsoom Koser	Department of Chemistry, Jamia Millia Islamia New Delhi (India) - 110025
NBL21-OL-024	01:11 - 01:20	Heterogeneous Fenton process for dye degradation employing clay coated Manganese oxide nanoparticles	Varuna Watwe	Post-graduate and Research Centre, Department of Chemistry, MES Abasaheb Garware College, Pune.
NBL21-OL-029	01:01 - 01:30	Occurrences and virulence gene profile of Methicillin Resistant Staphylococcus aureus (MRSA) from Humans and Bovines	Fajar Farooq	Department of Veterinary Public Health, FVSC&A.H SKUAST-K
Concluding Remakes by chairpersons & written report			Certificate Distribution I/C:	



# “Nanotechnology for Better Living”



Hybrid’ scientific NBL convention aim to offer the best of in-person and virtual meetings

**Session –3 (Oral)**

NBL Convention From 7-11 September 2021 in Hybrid Mode

Day 2- Wednesday,

8 September 2021

Over all I/C: **Dr Mudasir A Mir**

Students Coordinator: **Raj/Adil**

Chairperson:

	Time (pm)	Title of the talk	Name	Affiliation
NBL21-OL-036	02:30 – 02:40	Curcumin Loaded Nanoemulsions: Formulation, characterization and in vitro release properties	Neha Sharma	Department of Food Science and Technology, Punjab Agricultural University, Ludhiana, Punjab, India
NBL21-OL-037	02:41 – 02:50	Shelf-life extension of muffins coated with cinnamon and clove oil nanoemulsions	Prastuty	Department of Food Science & Technology, Punjab Agricultural University, Ludhiana, Punjab 141001
NBL21-OL-041	02:51 – 03:00	Heterogeneous Fenton Catalyst for Removal of Malachite Green	Sandra Ann Jacob	Department of Chemical Engineering, Amal Jyothi College of Engineering, Kanjirapally, Kottayam, Kerala
NBL21-OL-044	03:01 – 03:10	Structural and Electrical Characteristics of Mechanothermally Synthesized Bi(Co <sub>0.40</sub> Ti <sub>0.40</sub> Fe <sub>0.20</sub> )O <sub>3</sub> Nanoceramic	P. C. Lalngilneia	Department of Physics, National Institute of Technology Mizoram, Aizawl-796012, India
NBL21-OL-045	03:11 – 03:20	Electron Beam Evaporated WO <sub>3</sub> Thin Film as UV-A Photodetector	Rajshree Rajkumari	Department of Electronics and Communication Engineering, NIT, Nagaland, Dimapur
NBL21-OL-046	03:21 – 03:30	Effect of interface state density and series resistance in GLAD synthesized Ag sandwiched CeO <sub>2</sub> nanorod array	Ngasepam Monica Devi	Department of Electronics and Communication Engineering, National Institute of Technology Nagaland, Chumukedima, Dimapur, Nagaland, India- 797103
NBL21-OL-005	03:31 – 03:40	Fabrication and Characterization of ZnO/PEDOT: PSS based UV photodetector	Rishibrind Kumar Upadhyay	Department of Electronics Engineering, Indian Institute of Technology (BHU), Varanasi, Uttar Pradesh, India, 221005
NBL21-OL-008	03:41 – 03:50	RE Dysprosium and Europium co-doped Lithium Fluoride Bismuth Borate Luminescent Glasses: Potential material for WLEDs	Jyoti Dahiya	Department of Physics, Deenbandhu Chhotu Ram University of Science and Technology, Murthal, Haryana India
NBL21-OL-009	03:51 – 04:00	Maneuvering fluid motion and flow induced detection of toxins by enzyme multilayer film	Arshdeep Kaur Gill	Institute of Nano Science and Technology (INST), Sector-81, Knowledge city, SAS Nagar, Mohali 140306, Punjab, India
NBL21-OL-081	04:01 - 04:10	Effectiveness of Amla essential oil-based nano-coatings for improvement of shelf life and overall quality of Amla fruit.	Amandeep Kaur Braich	Dept. of Food Science and Technology, Punjab Agricultural University, Ludhiana
NBL21-OL-082	04:11 - 04:20	A discussion on linear and non-linear dimensionality reduction of high dimensional gene expression data.	Omar Rafique	Machine Learning Lab, Department of Electronics and Communication Engineering, National Institute of Technology
NBL21-OL-098	04:21 - 04:30	Experimental evaluation of synthetic coated carbide cutting inserts in severe machining of AISI-4340 steel alloy.	Dr. Kaleem A. Najar	IOT, Zakura, University of Kashmir.
Concluding Remakes by chairpersons & written report			Certificate Distribution I/C:	



# “Nanotechnology for Better Living”

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## Session – 4a (Poster)

NBL Convention From 7-11 September 2021 in Hybrid Mode

Day 2- Wednesday,

8 September 2021

Over all I/C: **Dr Kaleem A Najar**

Students Coordinator: **Asif/Anisa**

Chairpersons:

	Time	Title of the talk	Name	Affiliation
NBL21-PO-001	04:30 – 06:00	Radiofrequency heating- an emerging innovative heating method in food processing	Ufaq fayaz	Division of Food Science and Technology, SKAUST K Srinagar
NBL21-PO-002	04:30 – 06:00	Fabrication and characterization of Vitamin D3 encapsulated gum arabic nanoemulsions	Iqra Bashir	Division of Food Science and Technology, SKAUST K Srinagar
NBL21-PO-004	04:30 – 06:00	Organoids: A New Approach in Toxicity Testing of Nanotherapeutics	Sofi Imtiyaz Ali	Division of Veterinary Biochemistry, Faculty of Veterinary Sciences and Animal Husbandry, SKAUST
NBL21-PO-006	04:30 – 06:00	New process of conversion of waste paper to nanostructured CaCO <sub>3</sub>	Ritika Wadhwa	Institute of Nano Science and Technology, Knowledge City, Sec-81, Mohali, 140306, Punjab, India
NBL21-PO-008	04:30 – 06:00	Storage studies of modified rice flour extrudates	Beenish	SKUAST-K
NBL21-PO-016	04:30 – 06:00	Image processing and its applicability in food processing	Nazrana Rafique Wani	Division of Food Science & Technology, SKUAST-Kashmir, Shalimar J&K India 190025
NBL21-PO-018	04:30 – 06:00	Green Energy Generation from Multiferroics NBT-MnFe <sub>2</sub> O <sub>4</sub> based Hydroelectric Cell	Monika Dhall	Material Research Laboratory, Department of Physics, Deenbandhu Chottu Ram University of Science & Technology, Haryana, India
NBL21-PO-019	04:30 – 06:00	CNTs/Ag <sub>2</sub> WO <sub>4</sub> /Ga <sub>2</sub> O <sub>3</sub> Heterostructure Synthesis, characterization and their potential application on industrial wastewater treatment & biological importance	Madura N Talwar	Department of Studies in Environmental Science, University of Mysore, Manasagangotri, Mysore 570006, India
NBL21-PO-024	04:30 – 06:00	Synthesis and characterization of nonlinear optical material of Dipotassium boro maleate (DKBM) Single Crystal	Kiran	CSIR- National Physical Laboratory, Dr. K.S. Krishnan Road, New Delhi 110- 012, India.
NBL21-PO-026	04:30 – 06:00	Nanoencapsulation of Phytochemicals: Necessity for Effective Delivery	Mumtahn ul Kousar	SKUAST-K, Division of Food Sciences & Technology
Concluding Remakes by chairpersons & written report			Certificate Distribution I/C:	



# “Nanotechnology for Better Living”

Hybrid’ scientific NBL convention aim to offer the best of in-person and virtual meetings



**Session – 4b (Poster)**

NBL Convention From 7-11 September 2021 in Hybrid Mode

Day 2- Wednesday,

8 September 2021

Over all I/C: **Dr Shabir A Akhoo**

Students Coordinator: **Taha/Nowsheena**

Chairpersons:

(Registration Team headed by: Dr. _____ and Dr. _____) / Supported by <b>Mr. Nikhilesh/Mr. Jaffar</b>				
ID	Time	Title of the talk	Name	Affiliation
NBL21-PO-010	04:30 – 06:00	High amylose rice and carboxymethyl cellulose increases resistant starch with simultaneous reduction of glycemic index in gluten-free cookies	Bazila Naseer	Division of Food Science and Technology, Sher-e-Kashmir University of Agriculture Sciences and Technology of Kashmir, Shalimar, 190025, India
NBL21-PO-040	04:30 – 06:00	Ultrafast dynamics of tin selenide for exploring optoelectronics application	Manoj Kumar	Indian Reference Materials (BND) Division, CSIR-National Physical Laboratory, Dr. K. S. Krishnan Marg, New Delhi-110012, India
NBL21-PO-041	04:30 – 06:00	Highly Selective Room Temperature SnSe Thin Film based NO <sub>2</sub> Sensor	Sanju Rani	CSIR-National Physical Laboratory, Dr K. S. Krishnan Marg, New Delhi-110012, India
NBL21-PO-042	04:30 – 06:00	Pulsed light technology and its application in food industry	Tabeen Jan	Research scholar SKUAST- Kashmir, Division of Food Science and Technology
NBL21-PO-045	04:30 – 06:00	Design of Self-Assembled Anisotropic Cobalt-based Nanostructures: An efficient electrocatalyst for O <sub>2</sub> and Cl <sub>2</sub> Evolution Reaction	Supriya Rana	Energy and Environmental Unit, Institute of Nano Science and Technology, Knowledge city, Sector-81, Mohali
NBL21-PO-046	04:30 – 06:00	Promoting electrocatalytic oxygen reduction in a model composite using selective metal ions	Zubair Ahmed	Institute of Nano Science and Technology, Habitat Centre, Mohali, Punjab- 160062
NBL21-PO-054	04:30 – 06:00	Polymer Multilayer Films Trigger Autonomous Fluid Flow and Power Microfluidic Device	Mujeeb Alam	Institute of Nano Science and Technology, Sector 81, knowledge city, SAS Nagar, Mohali 140306, Punjab, India
NBL21-PO-055	04:30 – 06:00	Endophytes – The Prospective Biogenic Nanomachines	Misbah Majid	Department of Botany, University of Kashmir, Hazratbal Srinagar, J&K
NBL21-PO-032	04:30 – 06:00	Incorporation of microencapsulated probiotic bacteria in a cereal bar, an in vitro study	Mifftha Yaseen	Division of Food Science and Technology, Faculty of Horticulture, SKUAST-K-190025
NBL21-PO-033	04:30 – 06:00	Chemotherapeutic efficacy of nutraceutical-based Myricetin silver nanoparticles (mAgNPs) against HCT116 cell line	Syed Tauqeer Anwer	Genome Biology Lab, Department of Biosciences, jamia Millia Islamia, New Delhi – 110025, India
Concluding Remakes by chairpersons & written report			Certificate Distribution I/C:	



# “Nanotechnology for Better Living”

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NBL Convention From 7-11 September 2021 in Hybrid Mode

Day 3- Thursday,

9 September 2021

**Session – 5(Speaker)**

Over all I/C: **Miss. Misbah Fahad**  
Students Coordinator: **Shaistha/Asif**

Chairpersons:

	Time (am)	Title of the talk	Name	Affiliation
S-1	09:30 - 09:45	Development of Advanced Semiconductor Materials and Devices	Prof. Mohamed Henini Chair	School of Physics and Astronomy, University of Nottingham, Nottingham NG7 2RD, U. K.
S-2	09:46 - 10:00	Quantum Information @ Room Temperature for Better Living	Prof. Ian Fergusen	Department of Electrical and Computer Engineering, Missouri S&T, USA
S-3	10:01 - 10:15	Advanced Materials and Diamond coatings for energy, sustainability and other technological applications.	Prof. M. S. R. Rao	Dept. of Physics, IIT Madras
S-4	10:16 - 10:30	Recent Advances in Nano Materials for Energy Storage and Conversion technologies	Dr. M. V. Reddy	Institute of Research Hydro-Québec, Hydro-Québec, Canada
S-5	10:31 - 10:45	Giant magnetoresistance sensors: Approach to Linear type over Non-linear sensors	Dr. Perumal Alagrsamy	Head of the Department of Physics, Indian Institute of Technology Guwahati,
S-6	10:46 - 11:00	Adsorption of phosmet by ‘reduced graphene oxide’: kinetic, isotherm and thermodynamic studies	Dr. Himanshu Ojha	Institute of Nuclear Medicine and Allied Sciences, Defence Research and Development Organisation, Timarpur, Delhi 110054
S-7	11.01 - 11.15	Nanotechnology for Power Production	Dr. Md. Kamrul Alam Khan	Department of Physics, Jagannath University, Bangladesh
S-8	11:15 - 11:30	Synthesis of gold nanoparticles from Boswellia serrata (gum resin) and its biological potential	Dr. Madhulika Bhagat	School of Biotechnology, University of Jammu, Jammu, J&K-180006, India
S-9	11:31 - 11:45	Dual drug-encapsulated Modified Polymeric-coated gelatin nanoparticles attenuate experimental rheumatoid arthritis.	Dr. Rehan Khan	Institute of Nano Science and Technology, Sector 81, Mohali, Punjab 140306, India.
S-10	11:46 - 12:00	Influence of Iron on the structural and optical properties of Zinc Oxide nanoparticles for Nanophotonic applications	Dr. J. Martin S. Gnanaraj	National College (Autonomous), Tiruchirappalli
Concluding Remakes by chairpersons & written report			Certificate Distribution I/C:	



# “Nanotechnology for Better Living”



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**Session – 6 (Oral)**

NBL Convention From 7-11 September 2021 in Hybrid Mode

Day 3- Thursday,

9 September 2021

Over all I/C: **Dr Shah Arif-ul-Islam**

Students Coordinator: **Shabnam/Shafiq**

Chairpersons:

	Time (pm)	Title of the talk	Name	Affiliation
NBL21-OL-047	12:01 - 12:10	Investigation of EDFA based DFB Laser Source Optical Link	Abeena Gulzar	Department of Electronics and Communication Engineering, National Institute of Technology, Srinagar 190006, India
NBL21-OL-048	12:11 - 12:20	Black Cotton Soil Stabilization Using Nanocomposite Based Hydrogels	Madhusudhana R	Centre for Nanotechnology, Dept. of Mechanical Engineering, National Institute of Engineering(NIE), Mysuru – Karnataka,
NBL21-OL-049	12:21 - 12:30	Nanostructured Anti-Glare Coatings to Automobile Glasses	Sushma K L	Centre for Nanotechnology, Dept. of Mechanical Engineering, National Institute of Engineering(NIE), Mysuru – Karnataka,
NBL21-OL-050	12:31 - 12:40	ZrO <sub>2</sub> – TiO <sub>2</sub> Multilayered Nanostructured Coatings on AA5052 Substrates as Corrosion Resistant Coatings	Navyashree K C	Centre for Nanotechnology, Dept. of Mechanical Engineering, National Institute of Engineering(NIE), Mysuru – Karnataka,
NBL21-OL-051	12:41 - 12:50	Template-free High Surface Area Mn <sub>2</sub> O <sub>3</sub> Nanomaterials for photochemical Water Oxidation Activity	Ravi K. Kunchala	Energy and Environment Unit, (INST), Mohali, Punjab-India.
NBL21-OL-052	12:51 - 01:00	Employing Nanoparticles as a Remedy to Mitigate Gastrointestinal Nematodes	Farah Naaz	Department of Zoology University of Kashmir, Srinagar-190006, Kashmir.
NBL21-OL-053	01:01 - 01:10	Effect of slice thickness and drying temperature on the development and characterisation of lotus ( <i>Nelumbo nucifera Gaertn</i> ) rhizome powder	Qazi Showkat Ashraf	Research Scholar, Department of Food Technology, IUST, Awantipora, J&K, India
NBL21-OL-054	01:11 - 01:20	Synthesis and characterization of Psyllium hydrogel loaded with silver nanoparticles and it’s in vitro antimicrobial activity.	Aswini Priya E K	Centre for Nanoscience and Nanotechnology Sathyabama Institute of Science and Technology, Chennai
NBL21-OL-055	01:01 - 01:30	Design and Simulation of Graphene-based Microelectrode for Efficient Stimulation and Low Power Dissipation in the Retinal Prosthesis	Sharique Ali Asghar	School of Nano Science and Technology, Indian Institute of Technology Kharagpur, West Bengal,
Concluding Remakes by chairpersons & written report			Certificate Distribution I/C:	





# “Nanotechnology for Better Living”



Hybrid’ scientific NBL convention aim to offer the best of in-person and virtual meetings

**Session – 7 (Oral)**

NBL Convention From 7-11 September 2021 in Hybrid Mode

Day 3- Thursday,

9 September 2021

Over all I/C: **Dr Mushtaq B Shah**

Students Coordinator: **Umer Habib/Arun**

Chairperson:

	Time (pm)	Title of the talk	Name	Affiliation
NBL21-OL-010	02:30 – 02:40	Tweaking the self-assembly of amyloid-like peptide fibres to hierarchical functional materials	Deepika Gupta	Chemical Biology Unit, Institute of Nano Science & Technology, Mohali, Punjab
NBL21-OL-030	02:41 – 02:50	Development of injectable hydrogel augmented by ECM-mimetic functionalities for cartilage tissue engineering	Jijo Thomas	Chemical Biology Unit, Institute of Nano Science and Technology, Knowledge City, Sector 81, Mohali, Punjab 140306, India.
NBL21-OL-035	02:51 – 03:00	Carbon cloth-based flexible nanobio platform toward sensitive and label-free detection of vitamin-D3	Deepika Chauhan	Special Centre for Nanoscience, Jawaharlal Nehru University, New Delhi-110067
NBL21-OL-059	03:01 – 03:10	Experimental investigation and process parameter optimization in nano polishing of helical gear using abrasive flow finishing	Irfan Ahmad Ansari	Department of Mechanical Engineering, Indian Institute of Technology Kanpur, Kanpur-208016, India.
NBL21-OL-021	03:11 – 03:20	A Facile and Efficient Process for Rufinamide Drug Synthesis	Abdul Selim	Institute of Nano Science and Technology (INST), Knowledge City, Sector 81, Mohali, Punjab 140306,
NBL21-OL-092	03:21 – 03:30	REMOVAL OF FLUORIDE FROM AQUEOUS SOLUTION USING COCONUT HUSK AS BIO-ADSORBENT	Abhishek Kumar	Department of Civil Engineering, National Institute of Technology PATNA.
NBL21-OL-093	03:31 – 03:40	Effects of Xe ion Irradiation on Structural, Microstructural and Magnetic Properties of Mn/Al Bilayer Thin Films	H. Khanduri	CSIR-National Physical Laboratory, New Delhi - 110012,
NBL21-OL-073	03:41 – 03:50	Effect of Iron oxide Nanoparticles based nanofluid on transformer cooling	Muzafar Hussain	Department of EERE, Baba Ghulam Shah Badshah University (BGSBU) Rajouri Jammu and Kashmir-185234
NBL21-OL-074	03:51 – 04:00	Wearable Microfluidic-based E-skin Sweat Sensors	Nikita	Dept of Chemistry, (NIT) Srinagar, India, 190006
NBL21-OL-086	04:01 - 04:10	Analysis of Cancer Gene Expression Data Using Topological Mapper	Omar Rafique	Machine Learning Lab, Department of Electronics and Communication Engineering, NIT.
NBL21-OL-090	04:11 - 04:20	Epigenetic Polycomb Regulation of Acute Myeloid Leukemia: Linking Underlying Mechanism to Multimodal Nanotherapy	Babita kaundal	Institute of Nano Science and Technology, Knowledge city Sector-81, Mohali Punjab - 140306, India.
NBL21-OL-039	04:21 - 04:30	MoS <sub>2</sub> /CdS heterojunctions and their I-V characteristics	Siddhartha Dam	UGC-DAE CSR, Kalpakkam Node, Tamil Nadu-603104, India (affiliated to the University of Madras)
Concluding Remakes by chairpersons & written report			Certificate Distribution I/C:	



# “Nanotechnology for Better Living”

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## Session – 8a (Poster)

NBL Convention From 7-11 September 2021 in Hybrid Mode

Day 3- Thursday,

9 September 2021

Over all I/C: Mr. Younus

Students Coordinator: Umer Altaf/Gulzar

Chairpersons:

	Time	Title of the talk	Name	Affiliation
NBL21-PO-056	04:30 – 06:00	EFFECT OF NANO SILICA ON MECHANICAL PROPERTIES OF CONCRETE: A REVIEW	Abhishek Priyadarshi	Department of Civil Engineering, Sam Higginbottom University of Agriculture, Technology and Sciences
NBL21-PO-067	04:30 – 06:00	Toxoplasmosis a zoonotic disease -A REVIEW	Bilkees Nazir	Department of Zoology University of Kashmir
NBL21-PO-068	04:30 – 06:00	Histomoniasis in poultry-A review	Nazima Maqbool	Department of Zoology, University of Kashmir
NBL21-PO-069	04:30 – 06:00	Effect of gastrointestinal helminths on the health of hosts- A review	Naheeda Rehman	Department of Zoology University of Kashmir
NBL21-PO-070	04:30 – 06:00	Functional Characterization of Fibers from Rice Cultivars of Indian Temperate Region	Nafiya Qadir	Department of Food Science & Technology, University of Kashmir, Hazratbal, Srinagar-190006 (J&K), India.
NBL21-PO-075	04:30 – 06:00	PHYSICO-CHEMICAL STUDIES ON PHARMACEUTICALLY KNOWN NICOTINAMIDE BASED SOME BINARY ORGANIC EUTECTICS	SUMIT CHAUDHARY	Department of Chemistry, Institute of Science, Banaras Hindu University, Varanasi-221005, INDIA
NBL21-PO-076	04:30 – 06:00	Amoxicillin loaded Chitosan/PCL combined Zinc doped Bismuth Oxide hydrogel for diabetic wound healing application	D. Prema	Department of Nanotechnology, SRM Institute of Science and Technology, Kattankulathur, Chengalpattu District, Tamil Nadu, India - 603 203
NBL21-PO-077	04:30 – 06:00	Design of process to synthesize nickel manganese oxide from electronic waste	Sapna Devi	Institute of Nano Science and Technology, Mohali 140306 (Punjab), India
NBL21-PO-035	04:30 – 06:00	Cryptosporidium: Prevalence and Epidemiology	Pooja Bharti	Department of Zoology, University of Kashmir, Srinagar-190006, Kashmir.
NBL21-PO-015	04:30 – 06:00	Towards development of Nano-agrochemicals for crop improvement	Aneesa Batool	Bhagwant university of Ajmer, Rajasthan, Sikar Road, Ajmer-305004, Rajasthan (INDIA)
NBL21-OL-080	04:30 – 06:00	Growth and characterization of Ag <sub>2</sub> S semiconductor nanoparticles	S. C. Sharath	Department of Studies in Physics, Davangere University, Karnataka, India
Concluding Remarks by chairpersons & written report			Certificate Distribution I/C:	



# “Nanotechnology for Better Living”

Hybrid’ scientific NBL convention aim to offer the best of in-person and virtual meetings



## Session – 8b (Poster)

NBL Convention From 7-11 September 2021 in Hybrid Mode

Day 3- Thursday,

9 September 2021

Over all I/C: Miss. Yasmeen

Students Coordinator: Nazima/Gulzar Ah.

Chairpersons:

(Registration Team headed by: Dr. and Dr. )/ Supported by Mr. Nikhilesh/Mr. Jaffar

	Time	Title of the talk	Name	Affiliation
NBL21-PO-078	04:30 – 05:30	Novel electron rich Polycarbazole conjugated 2D Mo2N nanocomposite for supercapacitor application	P. Praveena	Department of Nuclear Physics, University of Madras, Chennai-600025, India
NBL21-PO-039	04:30 – 05:30	Designing Collagen Mimetic Ionic Complementary Peptide Hydrogels for Biomedical Applications	Vijay K. Pal	Institute of Nano Science and Technology, Habitat Centre, Mohali, Punjab-160062, India
NBL21-PO-043	04:30 – 05:30	Memory Applications using Protamine Sulfate assembled onto thinfilms.	Hritinava Banik	Thin Film and Nanoscience laboratory, Department of Physics, Tripura University (Suryamaninagar-799022)
NBL21-PO-044	04:30 – 05:30	Non-volatile memory applications using Indole derivative Langmuir-Blodgett (LB) films	Surajit Sarkar	Thin Film and Nanoscience laboratory, Department of Physics, Tripura University (Suryamaninagar-799022),
NBL21-PO-049	04:30 – 05:30	Self-Sorting of micelles using amphiphilic polymers for drug delivery application	Shaifali Sartaliya	Institute of Nano Science and Technology, Mohali Sector-81, Knowledge City, Sahibzada Ajit, Punjab, 140306, Punjab, India
NBL21-PO-038	04:30 – 05:30	In vitro anti-cancer efficacies of walnut (Juglans regia) leaf extract against colorectal cancer cells	Abida Samad	Genome Biology Lab, Department of Biosciences, Jamia Millia Islamia, New Delhi-110025
NBL21-PO-079	04:30 – 05:30	CNT Based Field Effect Transistor: An Alternative To Silicon Based Transistor - A Review	Younus Ahmad Dar	Department of Electronics and Instrumentation Technology, University of Kashmir, Hazratbal-Srinagar, 190006 (J&K), India
NBL21-PO-023	04:30 – 06:00	Double perovskite La2CoMnO6 as efficient oxygen evolution electrocatalyst	Kritika Sood	Institute of Nano Science and Technology, Knowledge city, Sector-81, Mohali
NBL21-PO-025	04:30 – 06:00	Study of Structural and Thermal Properties of Alkali Borate Glasses Containing Titanium ions	Vikas	Department of Physics, Deenbandhu Chhotu Ram University of Science and Technology, Murthal, Haryana India
NBL21-PO-027	04:30 – 06:00	Physical and structural properties of Zirconium doped bioactive material: Suitable for dentistry	Rajesh	Material Research Laboratory, Department of Physics, Deenbandhu Chhotu Ram University of Science & Technology.
Concluding Remakes by chairpersons & written report			Certificate Distribution I/C:	



# “Nanotechnology for Better Living”

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NBL Convention From 7-11 September 2021 in Hybrid Mode

Day 4- Friday

10 September 2021

**Session – 9(Speaker)**

Over all I/C: **Mr. Anil Maini**

Students Coordinator: **Sabreena/Arun**

Chairpersons:

	<b>Time (am)</b>	<b>Title of the talk</b>	<b>Name</b>	<b>Affiliation</b>
S-1	09:30 - 09:45	Semiconductor nanostructures for optoelectronic applications	Prof. C. Jagadish	Australian national university
S-2	09.46 - 10.00	Spectroscopy of lanthanides	Prof. Sultana N. Nahar	Dept of Astronomy, The Ohio State University, Columbus, USA
S-3	10.00 - 10:15	Nanocomposite flexible membranes for high response x-ray detectors	Prof Ahmad Ibrahim Ayesb	Physics, Qatar University, Doha, Qatar
S-4	10:15 - 10:30	Nanomaterials and green environment sustainability	Dr. Hagar Alm El Din Mohamad	Department- Faculty of Engineering- Tanta University, Egypt
S-5	10.30 - 10.45	Web-based Pollutant Controller For making Indoor Environments Disease free	Prof. S. K. Sharma	Director Academics, Model Institute of Engineering and Technology, KotBhalwal, Jammu, 181122
S-6	10:45 - 11.00	Semiconductor Nanostructured based Gas Sensor for Monitoring Human Health by Analyzing Exhale Breath: Fundamental to Application	Dr. Mrinal Pal	CSIR-Central Glass and Ceramic Research Institute, Kolkata - 700032
S-7	11:01 - 11:15	Colorimetry Based Detection of Nitric Oxide from Exhaled Breath for Quantification of Oxidative Stress in Human Body	Prof. Kishore Kumar Sadasivuni	Center for Advanced Materials Building H10, Zone 6, Office E133, Qatar University, Qatar.
S-8	10:15 - 11:30	Alkaline air: changing perspectives on nitrogen and air pollution in an ammonia rich world	Dr. M Irfan	Edinburgh research station UK
S-9	11:30 - 11:45	Sustained and enhanced delivery of therapeutic drug and gene for improved disease management	Dr. Ranjita Mishra	Centre for Molecular and Nanomedical Sciences, Sathyabama Institute of Science of Technology, Chennai-600119, Tamil Nadu, India
S-10	11:45 - 12:00	Chlorin e6 decorated doxorubicin encapsulated chitosan nanoparticles for photo-controlled cancer drug delivery	Prof. Krishnamoorthy Ganesan	Department of Medical Biochemistry, Muthayammal Centre for Advanced Research (MCAR), Muthayammal College of Arts and Science, Rasipuram- 637 408, Tamil Nadu, India
Concluding Remakes by chairpersons & written report			Certificate Distribution I/C:	



# “Nanotechnology for Better Living”



Hybrid’ scientific NBL convention aim to offer the best of in-person and virtual meetings

NBL Convention From 7-11 September 2021 in Hybrid Mode

Day 4- Friday

10 September 2021

**Session – 10(Oral)**

Over all I/C: **Mr. Aqib**

Students Coordinator: **Latief/Suhail**

Chairpersons:

	Time (pm)	Title of the talk	Name	Affiliation
NBL21-OL-062	12:01 - 12:10	Study of matrix–filler interaction through correlations between structural and viscoelastic properties of carbonous-filler/polymer-matrix composites	Tanvi Pal	Advanced Nanoengineering Materials Laboratory, Indian Institute of Technology Kanpur, 208016, India
NBL21-OL-064	12:11 - 12:20	Length weight relationship and condition factor of <i>Schizothorax niger</i> inhabiting Manasbal lake, Kashmir, India.	Tabasum Yousuf	Fish Biology and Limnology Research Laboratory, Department of Zoology, University of Kashmir, Srinagar
NBL21-OL-065	12:21 - 12:30	Studies on macrobenthic invertebrates in relation to stream ecology from Kashmir Himalaya	Zahoor Ahmad Mir	Fish Biology and Limnology Research Laboratory, Department of Zoology, University of Kashmir, Srinagar
NBL21-OL-066	12:31 - 12:40	Genetic Polymorphism of Foot rot Gene Marker DQA2 Gene in Kashmir Merino sheep	Shayista Akhter	Division of Animal Genetics and Breeding, FVSc & AH, SKUAST-K; Shuhama, Srinagar, Jammu and Kashmir.
NBL21-OL-067	12:41 - 12:50	Facile synthesis of Iron oxide nanoparticles from <i>Penicillium</i> species and their antibacterial properties	Norul Aini Zakariya	Faculty of Pharmacy and Health Sciences, Universiti Kuala Lumpur-Royal College of Medicine Perak, Malaysia
NBL21-OL-068	12:51 - 01:00	Temperature dependent Raman studies of free-standing, flexible, composite thin films of GaN/PVDF	Abhishek Thakur	UGC-DAE CSR, Kalpakkam Node, Kokilamedu, Tamil Nadu-603104 (Affiliated to University of Madras.)
NBL21-OL-069	01:01 - 01:10	Dielectric studies of free-standing, flexible, composite thin films of MoS <sub>2</sub> /PVDF	Mandeep Jangra	UGC-DAE CSR, Kalpakkam Node, Kokilamedu, Tamil Nadu-603104 (Affiliated to University of Madras.)
NBL21-OL-070	01:11 - 01:20	Antibacterial potential of ZnO nanoparticles synthesized via green approach	Tanvir Kaur	Department of Microbiology, School of Bioengineering and Biosciences, Lovely Professional University, Punjab,
NBL21-OL-071	01:01 - 01:30	Zirconium dioxide nanoparticles for modern healthcare, environmental protection and material sciences- synthesis routes and characterizations	Vidhya C. V.	Inorganic and Bioinorganic Research Laboratory, Department of chemistry, NIT Calicut
Concluding Remakes by chairpersons & written report			Certificate Distribution I/C:	



# “Nanotechnology for Better Living”



Hybrid’ scientific NBL convention aim to offer the best of in-person and virtual meetings

**Session – 11(Oral)**

NBL Convention From 7-11 September 2021 in Hybrid Mode

Day 4- Friday

10 September 2021

Over all I/C: **Dr. Showkeen Muzzamil**

Students Coordinator: **Hilal/Mehboob**

Chairperson:

	Time (pm)	Title of the talk	Name	Affiliation
NBL21-OL-056	02:30 – 02:40	EFFECT OF CURING ON MACHENICAL PROPERTIES OF CONCRETE	Indra Kumar Pandey	Research scholar, Department of civil engineering, National institute of Technology, Jharkhand, India
NBL21-OL-057	02:41 – 02:50	Self-healing and Flexible Supercapacitor for Wearable and Portable Electronics	Kapil Dev Verma	Materials Science Programme, Indian Institute of Technology Kanpur,
NBL21-OL-058	02:51 – 03:00	Coal Fly Ash Cenospheres and its Application in Polymer Composites	Shania Zehra Naqvi	Advanced Nanoengineering Materials Laboratory, Materials Science Programme, Indian Institute of Technology Kanpur,
NBL21-OL-072	03:01 – 03:10	Green Synthesis of Silver nanoparticles: a review based on plant leaf extract as reducing agents	Jyothika V. G.	Department of Physics, Sree Narayana College, Nattika, Thrissur, Kerala
NBL21-OL-075	03:11 – 03:20	Investigation on the antibacterial activity and in vitro cytotoxicity of curcumin-silver nanoparticle complex as a potent therapeutic	C. S. Dhanya	Division of Polymeric Medical Devices, Biomedical Technology Wing, Sree Chitra Tirunal Institute for Medical Sciences and Technology, Trivandrum
NBL21-OL-076	03:21 – 03:30	FERROFLUID BASED COOLING SYSTEM: A SMART SOLUTION FOR HEAT TRANSPORT	Jaswinder Singh Mehta	UIET, PU, Chandigarh, India.
NBL21-OL-077	03:31 – 03:40	Control of Tractor Seat Vibrations with Self-Tuning PID Controller	Harbhinder Singh	Research Scholar, School of Mechanical Engineering, Lovely Professional University, Phagwara
NBL21-OL-078	03:41 – 03:50	IMPROVED PROPERTIES OF PHOTONIC CRYSTAL FIBERS- A REVIEW	Sabahat Sakinah	BTech., Department of Electronics and Communication, IUST
NBL21-OL-079	03:51 – 04:00	Morphological and Optical conductivity Study of Amine Functionalized Ceria Nanoparticles	G. H. Nagaveni	Dept. of Studies in Physics, Davangere University, Davangere-577 007, Karnataka, India.
NBL21-OL-059	04:01 – 04:10	Experimental investigation and process parameter optimization in nano polishing of helical gear using abrasive flow finishing	Irfan Ahmad Ansari	Indian Institute of Technology Kanpur, Kanpur-208016, India.
NBL21-OL-060	04:11 – 04:20	Zero value waste human hair to high value functional carbon nanosheets for superior charge storage supercapacitor	Prerna Sinha	Indian Institute of Technology Kanpur, Kanpur-208016, India.
NBL21-OL-061	04:21 – 04:30	Triphenylamine and terpyridine–zinc (II) complex-based donor–acceptor soft hybrid as a visible light driven hydrogen evolution photocatalyst	Sugandha Singh	Indian Institute of Technology Kanpur, Kanpur-208016, India.
Concluding Remakes by chairpersons & written report			Certificate Distribution I/C:	



# “Nanotechnology for Better Living”



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**Session – 12a (Poster)**

NBL Convention From 7-11 September 2021 in Hybrid Mode

**Day 4- Friday**

**10 September 2021**

Over all I/C: **Ms. Shemila**

Students Coordinator: **Irshad/Umer Mushtaq**

Chairpersons:

	<b>Time</b>	<b>Title of the talk</b>	<b>Name</b>	<b>Affiliation</b>
NBL21-PO-119	04:30 – 06:00	Synthesis and characterization of Antimony doped tin oxide Using Sono-chemical Precipitation Method to Enhance the Heat Shielding	Sachin	Department of Physics, National Institute of Technology Srinagar
NBL21-PO-118	04:30 – 06:00	Changes of properties due to defects in graphene.	Vikash	Department of Physics, National Institute of Technology Srinagar
NBL21-PO-120	04:30 – 06:00	Effect of Annealing temperature on ZnO thin films grown by hydrothermal method.	Suhail	Department of Physics, National Institute of Technology Srinagar
NBL21-PO-0121	04:30 – 06:00	Safe Smart Shoes for differently abled persons using devices and functional nanomaterials	Sandeep Singh Rana	Safe Smart Shoes for differently abled persons using devices and functional nanomaterials
NBL21-PO-071	04:30 – 06:00	Unravelling endophytic fungal assemblages of a high-altitude medicinal plant	Aroosa Jan Mattoo	Department of Botany, University of Jammu, Jammu, 180006.
NBL21-PO-082	04:30 – 06:00	Holey reduced graphene oxide for supercapacitor application	Mukesh Kumar	Advanced Nanoengineering Materials Laboratory, IIT Kanpur, Kanpur-208016, India.
NBL21-PO-087	04:30 – 06:00	Magnetic Composites for a cleaner environment entrapping harmful pollutants from wastewater	Atul Sharma	Department of Chemistry, Jamia Millia Islamia, New Delhi
NBL21-PO-136	04:30 – 06:00	Rapid detection of SARS COV2 RNA using Graphene based electrochemical biosensors.	Surbhi Rajpoot	Department of Physics, National Institute of Technology Srinagar
NBL21-PO-057	04:30 – 06:00	Mn doped CsPbBr <sub>3</sub> Perovskite Nanoplatelet Architecture and Its Exciton Dynamics	Kaliyamoorthy Justice Babu	Institute of Nano Science and Technology, Knowledge City, Sector 81, Mohali, Punjab-140306, India.
NBL21-PO-062	04:30 – 06:00	Structural design of Cobalt phosphide nanorods for efficient hydrogen generation	Ankush	Institute of Nano Science and Technology, Knowledge City, Sector -81, Mohali, Punjab 140306.
NBL21-PO-034	04:30 – 06:00	Synthesis of biodegradable Chitosan/Polyvinylpyrrolidone nanocomposite for the remediation of two fluoroquinolone antibiotics from their aqueous solution	Divyanshi Mangla	Bio/Polymer Research Laboratory, Department of Chemistry, Jamia Millia Islamia, New Delhi-110025, India
Concluding Remakes by chairpersons & written report			Certificate Distribution I/C:	



# “Nanotechnology for Better Living”



Hybrid’ scientific NBL convention aim to offer the best of in-person and virtual meetings

**Session – 12b (Poster)**

NBL Convention From 7-11 September 2021 in Hybrid Mode

**Day 4- Friday**

**10 September 2021**

Over all I/C: **Ms. Farah Naqash**

Students Coordinator: **Junaid/Nissaar Rana**

Chairpersons:

	<b>Time</b>	<b>Title of the talk</b>	<b>Name</b>	<b>Affiliation</b>
NBL21-PO-080	04:30 – 06:00	Gastrointestinal parasitic screening of domestic livestock in Tatakuti Wildlife Sanctuary	Rouf Ahmad Bhat	Department of Zoology University of Kashmir
NBL21-PO-081	04:30 – 06:00	Nanotechnology: a double-edged sword for environment	Khair ul nisa	Department of Environmental Science, University of Kashmir
NBL21-PO-083	04:30 – 06:00	2D simulation of St. Jude Med. Heart Valve	Meraj Ahmed	Department of Mechanical Engineering, Indian Institute of Technology Kanpur, Kanpur-208016, India.
NBL21-PO-084	04:30 – 06:00	Flexible Hybrid Carbon based Nanocomposite for EMI Shielding Application	Jitendra tahalyani	Materials Science Programme, Indian Institute of Technology Kanpur, Kanpur-208016, India.
NBL21-PO-085	04:30 – 06:00	Fluorescence tuning behavior of Carbon Quantum Dots with Gold Nanoparticles via novel intercalation effect of Aldicarb	Reena K. Sajwan	Special Centre for Nanoscience, Jawaharlal Nehru university, New Delhi-110067, India
NBL21-PO-086	04:30 – 06:00	Avian coccidiosis-A critical review	Shagufta Iqbal	Department of Zoology University of Kashmir
NBL21-PO-088	04:30 – 06:00	Unravelling the synthesis and characterization of nanoparticles: a critical update to nanoparticle chemistry	Humairah Tabasum	Department of Chemistry, National Institute of Technology, Srinagar, 190006
NBL21-PO-089	04:30 – 06:00	Unravelling the role of nanotechnology to enhance the efficacy of crop plants: a way forward to sustainable agriculture growth	Basharat Ahmad Bhat	Department of Bioresources, School of Biological Sciences, University of Kashmir, Srinagar-190006
NBL21-PO-090	04:30 – 06:00	Cu <sub>2</sub> AgInS <sub>4</sub> quantum dot sensitized Zinc doped Titania as the high efficient Photoanode for QDSC	Roopakala Kottayi	Department of Physics, Kanchi Mamunivar Govt. Institute for PG Studies and Research, Puducherry-605008, India
NBL21-PO-063	04:30 – 06:00	Non-enzymatic, rapid detection of glucose on PVA-CuO thin film using ARDUINO UNO based capacitance measurement unit	Mirmal Poddar	Special Centre for Nanoscience, Jawaharlal Nehru University, New Delhi-110067
NBL21-OL-080	04:30 – 06:00	Growth and characterization of Ag <sub>2</sub> S semiconductor nanoparticles	S. C. Sharath	Department of Studies in Physics, Davangere University, Karnataka, India
Concluding Remakes by chairpersons & written report			<b>Certificate Distribution I/C:</b>	