

ABS ID	Abstract Title	Title	Presenter Name	Institution/Affiliation	City
28	Modification of nano/micro cellulose with different hydrophobic agents: A comparative study	Dr	Hitesh Kumar Singh	Institute of Chemical Technology, Mumbai	Mumbai
35	Bioactive Conductive Polymeric Nanocomposite Coating for Titanium Implants	Dr	Suja Mathai	Mar Ivanios College (Autonomous), Thiruvananthapuram, India	Thiruvananthapuram
41	Chitosan-Chlorhexidine based Nanogels for the Bioactive Finishing of Polypropylene Fabric	Dr	Chetna Verma	IIT Delhi	Delhi
43	Organic acids modified Starch α -CMC Based Biodegradable Film: Antimicrobial activity, morphological, structural, thermal and crystalline properties	Ms	Parvinder Kaur	SHUATS	Prayagraj
51	Disposable Paper-based Biosensing Platform For Procalcitonin Detection	Ms	Yachana Gupta	The NorthCap University	Gurgaon
52	Green packaging technology using active jujube seed powder	Ms	Anamika Nayak	NIT, DURGAPUR	Durgapur
53	Proangiogenic and Antimicrobial Nanocomposite Loaded Gelatin Fibers Favour the In Vitro Osteogenic Differentiation of Mesenchymal Stem Cells in the Absence of External Supplements	Ms	Vianni Chopra	INST Mohali	Mohali
58	Preparation and Characterization of PVA/Chitosan Crosslinked 3D scaffolds for Liver Tissue Engineering	Ms	Supriya Bhatt	Manipal Institute of Regenerative Medicine (MAHE)	Bangalore
59	Biopolymers as silver nanoparticle carriers for targeted drug delivery	Dr	Shweta Rajawat	Maulana Azad National Institute of Technology, Bhopal	Bhopal
60	Synthesis, Characterization and antifungal activities of copper oxide and differentially doped copper oxide nanostructures	Dr	Atul Soni	Sri sai university palampur	Palampur
62	Electrical, Thermal and Antimicrobial Properties of synthesized TiO ₂ /rGO Nanocomposites	Dr	Sunil Kumar	Himachal Pradesh university	Shimla
64	Microwave Assisted Vanillin Crosslinked Chitosan/Polycarboxophil Superporous Hydrogels for Biomedical Application: Optimization and Characterization	Mrs	Shwetha K	Faculty of Pharmacy, Ramaiah University of Applied Sciences	Bengaluru
65	Telescopic synthesis of chitosan-Fe nanocomposites: morphology and structural studies	Ms	Rutuja Subhash Gumathannavar	Symbiosis Centre for Nanoscience and Nanotechnology, Symbiosis International University	Pune
68	Extraction, Quantification and Characterization of Lignin extracted from Bamboo Biomass	Dr	Bibhu Prasad Dash	Odisha University of Technology and Research	Bhubaneswar
70	Multifunctional finishing of cotton fabric using eco-friendly microcapsules with essential oils in-situ	Mr	Shekhar Kumar	NITJ	Jalandhar
72	Biosynthesis of Silver nanoparticles Via Clerodendron Phlomoides Extracts and their characterizations and Anticancer Potential against Liver Cancer.	Dr	Kirubanandan Shanmugam	Sree Sastha Institute of Engineering and Technology	Chennai
77	Effect of ionic strength on porosity and surface charge of chitosan nanoparticles	Ms	Nidhi Sapre	Symbiosis Center for Nanoscience and Nanotechnology (SCNN), Symbiosis International (Deemed) University	Pune
78	Silver-chitosan (Ag-CH) nanocomposite hydrogel for remediation of Aqueous medium	Ms	Shashwati Khemraj Wankar	Symbiosis Center for Nanoscience and Nanotechnology	Pune

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81	Characterization and in vitro evaluation of scaffold optimized by Response Surface Methodology for cell proliferation and tissue repair	Mr	Subodh Kumar	Institute of nuclear medicine and allied sciences	Delhi
82	Bioactive performance studies on Luffa seed oil for imparting functional property to textiles	Mr	Navodit Kadam	The Maharaja Sayajirao University of Baroda	Bharuch
83	Structure Development and Properties of PVA Starch- Paddy Straw Composites	Prof	S Radhakrishnan	MIT-WPU	Pune
85	A polyphenol-chelator based multimodal anti-snake venom nanoformulation.	Ms	Neeraja Revi	Indian Institute of Technology Hyderabad	Hyderabad
88	Congugated Polymer Coated Textile Bioadsorbents For Waste Water Treatment	Mrs	Shivangi Pandey	UPTTI Kanpur	Kanpur
93	Chitosan nanoparticles enriched thiolated eudragit/sodium alginate/PEG scaffold to accelerate angiogenesis and skin tissue regeneration in maxillofacial injury	Ms	Vaishnavi Bhatnagar	M S Ramaiah University of Applied Sciences	Bengaluru
94	Effect of Epoxidized Soybean Oil (ESBO) on Mechanical and Thermal Properties on Poly (lactic acid) (PLA), PLA/Poly (butylene succinate) (PBS) [90/10] Blend Compositions	Ms	Prajakta Naik	School of Polymer Engineering, Dr. Vishwanath Karad MIT World Peace University,	Pune
100	A green synthesis of Modified Cellulose Acetate membrane for the absorbency of biofluids	Ms	Roshni Pattanayak	CIPET:SARP-LARPM, BBSR	Bhubaneswar
101	Effect of Mixture of North-East Region Clays (NER-Clay) on Mechanical, Thermal and Barrier Property of Polylactic Acid Biofilm	Mr	Ravi Purbey	CSIR-NEIST	Jorhat
104	Novel method for extraction of Lignin from pinus roxburghii (PR) needles and its applications for Antimicrobial Lignin-silver composite synthesis	Mr	Tilak Raj	APG University Shimla HP	Kangra
105	Synthesis and Characterization of a Novel Nanocomposite Based on / Polylactic Acid / Poly (Ethylene-Co-Vinyl Acetate)/Northeast Region Kaolin Clay Coated with Lemon Grass Essential Oil (Elemicin rich)	Mr	Dipjyoti Bora	CSIR-NEIST	Jorhat
106	Preparation and Characterization of Essential Oil (Java Citronella) Treated Potato Starch Bio-Nanocomposite Films Reinforced with Cotton Linter Nano-Cellulose	Ms	Chayanika Bharadwaj	CSIR NEIST	Jorhat
108	Functionalization of Polyester Fabric using Vanillin Derivative	Mr	Veerender Sharma	IIT Delhi	Delhi
112	Chitosan schiff base as a fluorescence probe for selective detection of trivalent iron ions	Ms	Madhvi Garg	SLIET	Sangrur
114	Systematic Synthesis of Chitosan-1,2,3-Triazole Derivatives for Antibacterial Activity	Mr	Sankar Rathinam	University of Iceland	Reykjavik 107
116	Exploring application of Continuous Carica Papaya Sheet as a filter media in effluent treatment	Mrs	Pruthviben Prajapati	The Maharaja Sayajirao University of baroda	Vadodara
122	Biogenic synthesis of ZnO nanoparticles using Annona muricata plant leaf extract and its anti-cancer efficacy	Mr	Siva Chander Chabattula	Indian Institute Of Technology Madras	Chennai
123	Activated Carbon modified Chitosan beads an effective method for removal of Congo Red dye.	Ms	Manpreet Kaur Ahluwalia	Amity Institute Of Applied Sciences, Amity University Noida	New Delhi

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125	Enhancement of Photocatalytic and Antimicrobial Properties of Ni with Gd Doped ZnO nanoparticles	Mrs	Mageswari K	Muthurangam Government Arts College	Vellore
129	Enhancement of anti-cariogenic effect of Glass Ionomer Cement (GIC) by incorporation of biosynthesized cerium oxide nanoparticles from Aloe vera extract.	Dr	Dhanya Shri Mahendran	Ms Ramaiah University Of Applied Sciences	Bangalore
130	Phytofabrication of gold nanoparticles using Populus ciliata bark/ bud n-butanol fraction extract and investigation of their antimicrobial activities	Mrs	Shabnam Thakur	shoolini university	Others
132	L-Cysteine-derived smart ABCBA-type antifouling biohybrid	Mr	Devendra Kumar	Indian Institute of Technology Bhilai	Korba
136	Green Synthesis of Copper Oxide Nanoparticles using leaves Extract of Neolamarckia cadamba and their applications as catalysts	Ms	Rakhi Mandloi	Govt Holkar Science College Indore MP	Indore
137	In vitro antioxidant, antimicrobial and anti-cancerous efficacy of methanolic extract of Morchella sp.	Dr	Monika Thakur	Shoolini institute of life sciences and business management	Garli
139	In-situ formation of Ca ²⁺ functionalized GO/PVP/CMC ternary nanocomposite hydrogel as an anticancer sustained drug release carrier	Dr	Shahab A.A. Nami	Department of Chemistry, Aligarh Muslim University	Aligarh
140	Cellulose Microfibers Reinforced Bioplastic Films for Packaging Application	Ms	Rishpreet Kaur	Dr B.R. Ambedkar National institute of technology Jalandhar	Ludhiana
147	Biocompatible Fluorescent Chitosan Based Nanomaterials for Biomedical Applications: Colloidal Synthesis and Characterization	Dr	Yogesh Ashokrao Jadhav	Symbiosis Center for Nanoscience and Nanotechnology (SCNN), Symbiosis International (Deemed University) (SIU), Pune	Pune
152	Photothermally Active Chitosan Coated Nanosystem for Skin Cancer Therapy and Biofilm inhibition	Dr	Anil Jogdand	IIT Hyderabad	Mumbai
154	Studies on cellulosic fibres from Pearl Millet Straw for removal of Methylene Blue from aqueous solution	Ms	Manisha Yadav	IIT Delhi	Delhi
160	Development of Zinc doped Hydroxyapatite/Gelatin Poly-vinyl Alcohol Biocomposite for Bone Tissue Engineering Application	Mrs	Sakchi Bhushan	IIT Roorkee	Saharanpur
161	Cellulose microfibers-gelatin-nanoceria biocomposite: A new platform for bone tissue engineering	Mrs	Sandhya Singh	Indian Institute of Technology, Roorkee	Saharanpur
162	Preparation of Cao Nanoparticles from Waste Egg Shells and Their Applications	Mr	Rohit Kaundal	NIT Jalandhar	Jawali
175	Valorisation of Fruit Waste for production of Chitosan from yeast.	Ms	Manali Jaithliya	Dr. D. Y. Patil Biotechnology and Bioinformatics Institute, Pune	Indore
176	Green synthesis and characterization of cerium oxide nano particles from edible mushroom extract	Dr	Lalitha Jairam	Ramaiah University of Applied Sciences	Bangalore
177	Synthesis and swelling studies of Poly(2-hydroxyethyl methacrylate- co-itaconic acid) / Hydroxyapatite Composite Hydrogels	Mrs	Sharika T	Govt.College Kasaragod	Kasaragod
178	Microencapsulation of nanochitosan as biopolymer using Piper beetle leaf petiole extract and its evaluation of antioxidant and alpha amylase inhibition studies	Ms	Swetha Odiveedu	MS Ramaiah University of Applied Sciences	Bengaluru

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179	3D Printed Biopolymer-Based Self-Powered Pressure Sensor: Border security & Solider Safety	Mr	Dalip Saini	Institute of Nano Science and Technology, Knowledge city, Sector 81, Mohali Punjab 140306	Mohali
184	Hydrophilic Poly(vinylidene fluoride)(PVDF)! Unique grafting strategy and enormous scopes	Dr	Atanu Kuila	Haldia Institute of Technology	Haldia
189	Isolation of nanocellulose from industrial waste for hydroxylation and stabilization of boron nitride ceramic nano-particle for enhanced performance of nano-composite	Mr	Manoj Sathwane	IIT Roorkee	Saharanpur
192	Design and development of naringenin loaded cellulose based thermosensitive hydrogel membranes for chronic wound healing	Dr	Neha Raina	DPSRU	Delhi
198	Synthesis, green modification and adsorption studies of nanocellulose derived from Pandanus Tectorius leaves	Dr	Jyothy G Vijayan	M.S Ramaiah University Of Applied Sciences	Bengaluru
209	Ethyl Hydroxy Ethyl Cellulose (EHEC): A wonder Biopolymer and Biomaterial for Biomedical Applications	Dr	Ashwini Chandrashekhar Wali	CSIR-NCL	Pune
210	Grafted chitosan as cationic flocculant: synthesis, characterization and its applications in Kaolin separation	Dr	Suresha P. R.	CSIR-National Chemical Laboratory	Pune
211	Formulation and evaluation of Antidepressants loaded with biopolymer for brain specificity.	Dr	Deepika Raina	Chitkara University	Patiala
214	Phytochemical profiling and preparation of Eranthemum indicum herbal extract loaded sodium alginate-glycerol gel coated cotton dressings for wound care	Mr	Flavius Nonglang	North Eastern Hill University	Shillong
215	Effect of Dietary Chitosan extracted from Carapace of freshwater crab Sartoriana spinigera on Food intake, Body weight, Liver weight and Lipid content of Liver of Hypercholesterolemic albino rats	Dr	Shiny E.C. Kachhap	Marwari College Ranchi	Ranchi
217	Optimization of Nanochitosan Encapsulated Phytochemicals Extracted from Lactuca Serriola Leaf and their Antioxidant Activity by Response Surface Methodology	Mrs	Shakkira M	MS Ramaiah University of Applied Sciences	Malappuram
221	Cu(II)-crosslinked Chitosan for Reactive Orange-16 Dye Decontamination from Effluents	Ms	Priyanka Jaikumar Doondani	Department of Chemistry, RTM Nagpur University	Nagpur
224	An Analysis of the Synthesis, Characterization, and Thermal Evolution of Polymer-Based Nickel Nanoparticles	Dr	Giriraj Tailor	Mewar University	Chittorgarh
228	Potential of Ligno-cellulosic Jute Fibre Based Paper in Biodegradable Packaging	Dr	Kartick K Samanta	ICAR-NINFET	Kolkata
233	Isolation of Susceptible Cyclopeptides from Ixora coccinea plant leaves and their Characterizations	Dr	Deepshikha ver,ma	MBSCET	Jammu
235	Fabrication of PLA/natural hydroxyapatite composite scaffold for tissue engineering application	Ms	Ipsita Pattanayak	Central Institute of Petrochemical Engineering and Technology, Bhubaneswar	Bhubaneswar
237	Biocompatible stimuli response hydrogels of okra mucilage with Acrylic acid for controlled release of calendula officinalis ethanolic extract as drug for wound healing: Invitroassays	Ms	Vandna Choudhary	IFTM University Moradabad	Moradabad
238	Application of Self-healing coatings with natural biocides: A novel Antifoulant	Dr	Priyanka Shisode	Department of Chemistry, S. S. V. P. Sanstha's L.K. Dr. P. R. Ghogrey, Science College, Deopur	Dhule

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241	Nelumbo nucifera: Potential Biopolymer for site specific drug delivery	Dr	Vishakha Jaiswal	BBDNIIT	Lucknow
242	A Study of Activity, Kinetics and Reusability of Immobilized Lipase in Hydrolytic Reactions and Application in Esterification Reactions	Dr	SAMJEET SINGH THAKUR	RGM Govt. College Joginder Nagar	Mandi
243	Effect of Gold Nanoparticles on Phase Behaviour of DPPC Membranes – UV-vis, TEM, FTIR and DSC studies	Dr	Monika Khurana	Sushant University	Gurugram
251	Development of Herbal Bio-composites of Shati (Hedychium spicatum Sm.): Boon for Chronic wounds	Dr	Vishal Kumar	All India Institute of Ayurveda, New Delhi 110076	Delhi
254	In-Vitro Studies of PPE-CTS Inclusion Complexes for Encapsulation of Phytochemicals from Potato Peel Waste	Ms	Ranjita Swapan Das	Visvesvaraya National Institute of Technology	Nagpur
256	Nanostructured Inorganic Layered Double Hydroxide for efficient drug delivery for cancer treatment	Dr	Swapan Maity	Indian Institute of Technology (BHU) Varanasi	Varanasi
259	Sterile Thermo-Responsive Formulations for Emergency Management of Burns	Ms	Megha K	M.S. Ramaiah University of Applied Sciences	Bangalore
261	Tea tree Oil Nail Lacquer for Treatment of Paronychia	Ms	Sandhyashree S B	M S Ramaiah University of Applied Sciences	Bangalore
262	O and S co-doping induced substitutional N-vacancy in graphitic carbon nitride: Simulation studies; bandgap tuning; peroxy monosulfate activation, sulfamethoxazole degradation pathways	Ms	Vasudha Hasija	Shoolini University	Solan
264	Facile synthesis and extended visible light activity of oxygen and sulphur co-doped carbon nitride quantum dots modified Bi ₂ MoO ₆ for phenol degradation	Dr	Abhinandan Kumar	Shoolini University of Biotechnology and Management Sciences	Solan
265	Egg Shell Membrane Hydrolysate Incorporated Bigels: Potential Anti-Aging Formulation	Ms	Puspanjali Sharma	M S Ramaiah University of Applied Sciences	Bangalore
267	Development of manuka honey loaded chitosan-PVA foam dressings- a solution for advanced wound care	Mr	Sangeeth C	Sree Chitra Tirunal Institute for Medical Sciences and Technology	Trivandrum
275	Functionalized three dimensional scaffold system for enhanced insulin secretion of mesenchymal stem cell derived insulin like clusters	Ms	Jijo Wilson	SREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL SCIENCES AND TECHNOLOGIES	Trivandrum
276	Zein- Poly(vinyl alcohol-co-ethylene) ethylene macrobeads as chondrocytes delivery system in Autologous Chondrocyte implantation	Mrs	Rashmi E V	Sree chitra tirunal institute for medical sciences and technology	Thiruvananthapuram
278	An innovative approach to synthesized and characterized thiol and sulfonium integrated starch biopolymer for arsenic removal in aqueous system	Dr	Vishal Priya	CSKHPKV, Palampur, Department of Chemistry and Biochemistry	Baddi, Solan
283	Isolation, Phytochemical Elucidation and Wound Healing Potential of Chitosan Based Film loaded with Tagetes Erecta	Ms	Manisha U Kunder	Ramaiah University of Applied Sciences	Bangalore
284	Chitosan and xanthan gum based hydrogels for release of theophylline drug	Dr	Anupama Mogha	Dr SSB UICET,PU	Roorkee
293	Antimicrobial traits of the biologically synthesized nanoparticles from the extracts of Citrus species	Ms	Deepanjali Sharma	Shoolini University of Biotechnology and Management Sciences, Solan (HP)	Solan

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295	Silver incorporated composite electrospun scaffolds for bone tissue regeneration	Mr	Gurumoorthi Ramar	CIPET:IPT, Chennai	Chennai
302	Development and optimization of functionalized lignin nanoparticles: In vitro & in vivo efficacy studies in colon cancer model	Dr	Sushama Talegaonkar	Delhi Pharmaceutical Sciences and Research University	New Delhi
305	Hydrolyzed starch graft copolymers as plasticizers of cement-based mortars	Mrs	Andrea Gonzalez Cordoba	Universidad Nacional de Colombia	Bogota
315	Fungal Chitosan Nanoparticles and Biosurfactants - The Multifarious Molecules as Sustainable Alternatives in Crop Protection	Ms	Bhoomika M. Karamchandani	Department of Microbiology, Savitribai Phule Pune University	Pune
316	Electromechanical Behaviour of Polyaniline-Based Hybrid Composite Films for Humidity Sensing	Dr	Yuriy A. Anisimov	Department of Chemistry, University of Saskatchewan	Saskatoon, SK S7N 5C9
317	Development of Citrus peel extracts /Polyethylene Oxide Nanofibrous Assembly and Exploration of its Antibacterial and Antioxidant Activity	Dr	Himansu Shekhar Mohapatra		Bhadohi
318	Synthesis of α -Fe ₂ O ₃ /ethyl cellulose-based nanocomposites to extend the shelf-life of Capsicum annuum L. var. grossum	Dr	Geetika Guleria	Eternal University	Sirmor
29	Carrageenan-based Herbal Bionanocomposite Membranes as a Wound Care System	Ms	Pratibha Singh	IIT Delhi	Delhi
50	Antibacterial Peptide Nanofibers Loaded with Y ₂ O ₃ Nanoparticles to Promote Wound Healing	Mr	Vatan Chawla	Indian Institute of Technology Ropar	Rupnagar
121	Lyophilized Biocomposite Chitin-Alginate Matrices for Wound Healing Application	Dr	Sharon Caroline Furtado	Ramaiah University of Applied Sciences	Bengaluru
232	Bromelain encapsulated alginate-chitosan beads for biomedical applications	Ms	Priyadarshini T	National Institute of Technology Rourkela	Rourkela
240	Improving antioxidant properties and antimicrobial properties of PLA film by using plant-based extract and modified silica nanoparticles for food packaging	Mr	Rahul Zende	S K Somaiya	Mumbai
272	3D-Polylactic Acid Scaffold with Surface Modified and 4-Methoxycinnamic Acid-loaded Chitosan Nanoparticles for Bone Regeneration	Ms	Abinaya Shanmugavadivu	SRM-IST	Chennai
291	Antibacterial Activity of Chitosan Grafted Dual Polybenzoxazine Films	Ms	Sangeeta Sahu	Shiv Nadar University	Uttar Pradesh