

List of Accepted Poster Presentations - Authors should Register before Early Bird Deadline (November 10, 2024)

Sr.No.	Name	Affiliation	Email	Title	Poster	Abstract Number
1	Dr. RAJI RAJESH LENIN	SRM Medical College Hospital and Research Centre, Chennai	rajil@srmist.edu.in	Drug-loaded nanoparticles mitigate hyperglycemia-induced diabetic retinopathy by restoring endothelial function.	Poster	TMT-AB1P
2	Ms. Shanmathy S	SRIHER, Chennai	shanmathys@sriramachandra.edu.in	Functionalization of 3D agarose scaffold reinforced with calcium lactate gluconate for bone tissue engineering application	Poster	TMT-AB3P
3	Dr Dileep Pathote	Indian Institute of Science Bengaluru	pdileep@iisc.ac.in	Biocompatibility Behaviour of Surface Mechanical Attrition Treatment based Mg-Zn alloys for Biomedical Applications	Poster	TMT-AB4P
4	Ms. Arathy B S	CUSAT, Kochi	arathybhuvanendran97@gmail.com	Enhanced Wound Healing with Essential Oil-Infused Cellulose Aerogels: Development and Evaluation of Antibacterial and Anti-Inflammatory Properties	Poster	TMT-AB6P
5	Ms. Keerthana Suresh K	Department of Biotechnology, Manipal Institute of Technology, Manipal	keerthana.k3@learner.manipal.edu	Formulation and Evaluation of Curcumin Nanoparticles to Repolarize Pro-Tumorigenic Macrophages to Anti-Tumorigenic Phenotype for Cancer Immunotherapy	Poster	TMT-AB7P
6	Ms. Nidhi Poddar	CBCMT, Vellore Institute of Technology, Vellore	nidhi.poddar3219@gmail.com	3D-Printed polysaccharides-based composites loaded with mussel inspired nanoparticles for Enhanced Wound Healing and Hemostasis	Poster	TMT-AB10P
7	Ms. Deepa Garg	Academy of Scientific and Innovative Research, Ghaziabad	deepagarg170@gmail.com	Biofilm-Resistant Poly-L-lysine/Tannic Acid Hydrogel with Self-Adhesive and Antibacterial Properties	Poster	TMT-AB11P
8	Ms. ESTHER SHALINI K	Centre for Biomaterials, Cellular and Molecular Theranostics, Vellore Institute of Technology, Vellore	esthershalini.k2023@vitstudent.ac.in	Fabrication of plant-based polysaccharide patch for wound care application	Poster	TMT-AB12P
9	Ms. MENAGA.S	Centre for Biomaterials, Cellular and Molecular Theranostics, Vellore Institute of Technology, Vellore	MENAGA.S2022@VITSTUDENT.AC.IN	Fabrication of visible light crosslinked polysaccharide patch and 3D printed scaffold for wound healing application	Poster	TMT-AB13P
10	Ms. Joanna Rai	National Institute of Technology Raipur, Chhhattisgarh	jrai.phd2023.bme@nitrr.ac.in	Fabrication of High-Mechanical-Strength Bio-composite Scaffolds for Blood Vessel Regeneration and Wound Healing	Poster	TMT-AB14P
11	Ms. SMRITHI SAROJ	Vellore Institute of Technology, Vellore	smrithi156@gmail.com	Fabrication and characterization of multifunctional spin-coated hydroxyapatite-zinc ferrite composites on Ti-6Al-4V alloy for orthopedic applications	Poster	TMT-AB15P
12	Mr. PANKAJ SHARMA	IIT Mandi	D22020@students.iitmandi.ac.in	Silver doped Hydroxyapatite-NKN based 3D Printed Piezoelectric and Anti-bacterial Nanocomposite Scaffolds for Dental Regeneration	Poster	TMT-AB16P
13	Mr. Chintada Guna Sai	Centre for Nano Science and Engineering, IISc Bengaluru	chintadaguna@iisc.ac.in	Conductive Polymer Based Electrode Systems for Neural Recording and Stimulation Applications	Poster	TMT-AB17P
14	Mr. SATHISH KUMAR S	Vellore Institute of Technology, Katpadi, Vellore	sathishkumar.s2022@vitstudent.ac.in	Effect of acid pre-treatment process on rice husk for the extraction of silica	Poster	TMT-AB18P
15	Dr. Shiny PJ	SRM Medical College hospital and Research Centre, Chennai	shinyjoh@gmail.com	Modulating cardiac regeneration by exploring strategies for decellularising cardiac extracellular matrix	Poster	TMT-AB19P
16	Mr. Abhishek A	Cochin University of Science and Technology, Kochi, Kerala, India	mailto:abhishek97@gmail.com	Moldable Osteoinductive Bone Graft Formulations from Bioglass Intercalated Quaternized Chitosan - Sodium Alginate Polyelectrolyte complexes	Poster	TMT-AB22P
17	Mr. Satish Kanna M	SASTRA Deemed University, Thanjavur.	sathishkanna@scbt.sastra.ac.in	Evaluating the Synergistic Effects of Nanohydroxyapatite/Bentonite & Magnesium-Doped Nanohydroxyapatite/Bentonite Composite scaffolds for Bone Tissue Engineering	Poster	TMT-AB23P
18	Ms. ALPHONSA JOSEPH	VIT Vellore	sranjithamariaac@gmail.com	The Effect of Calcium Silicate Incorporated PVA Nanofibers on Bioactivity, Biodegradability and Osteogenic Differentiation for Bone Regenerative Applications	Poster	TMT-AB25P
19	Mr. TUFAN PAUL	Dept. of Applied Mechanics, IIT-Madras	tufanpaul2016@gmail.com	Automated Temperature Alert System for Laboratory Freezers	Poster	TMT-AB26P
20	Mr. Akshay Ashok Kawale	D.Y. Patil Education Society, Deemed to be University, Kasaba Bawada, Kolhapur	akshaykawale673@gmail.com	Development of a biomimetic scaffold using decellularized goat urinary bladder as a sustainable biomaterial for transplantation in a rat cystectomy model	Poster	TMT-AB29P
21	Ms. Aashwini Mahendra Bhavsar	Indian Institute of Technology, Hyderabad	id23resch11001@iith.ac.in	Nanoengineered Glycyrrhizic Acid-Polyaniline Hybrid Hydrogel based 3D-bioprinted Scaffold for Cardiac Tissue Engineering	Poster	TMT-AB30P
22	Ms. Ankita Negi	IIT Mandi	d22019@students.iitmandi.ac.in	Self-assembled Hydroxyapatite Nanospicules Coating on 3D Printed PLA Scaffolds with Bactericidal Activity for Bone Regeneration	Poster	TMT-AB31P

23	Anavadya K K	Vellore Institute of Technology, Vellore	anavadyasivadas97@gmail.com	Influence of Process Parameters of Electrophoretically deposited TiO ₂ on conventional Ti-6Al-4V alloy and Laser shock peened Ti6Al4V alloy for Orthopedic Applications	Poster	TMT-AB32P
24	Ms. Aswany M G	SCTIMST, Thiruvananthapuram	aswanygopinath@sctimst.ac.in	Extracellular matrix mediates cardiac fibroblast to myofibroblast transition	Poster	TMT-AB36P
25	Ms. DIVYA M R	SCTIMST, Thiruvananthapuram	divyarahav@sctimst.ac.in	In- vitro Evaluation of Insulin-Loaded Chitosan-DTP Matrix on Wound Healing Parameters under High-glucose conditions	Poster	TMT-AB38P
26	Mr. Ganesh Phulmogare	IIT Mandi	d22101@students.iitmandi.ac.in	Reusable MoS ₂ Modified Antibacterial Fabrics with Photothermal Disinfection Properties for Repurposing of Personal Protective Masks	Poster	TMT-AB39P
27	Ms. Ashitha Mariam Leslie	Manipal Institute of Regenerative Medicine, Bangalore	ashitha.mirmblr2023@learner.manipal.edu	Revolutionizing Breast Cancer Treatment: Integrating Hydrogel-Driven Drug Delivery and Smart Biosensors	Poster	TMT-AB40P
28	Mr. Santosh N	SRM Medical College Hospital and Research Centre	sn4895@srmist.edu.in	Non-invasive Liposome mediated drug delivery for the amelioration of Diabetic Retinopathy	Poster	TMT-AB41P
29	Mr. Ajay Niranjan S	Vellore Institute of Technology, Vellore	ajayniranjan.s2023@vitstudent.ac.in	The Comparative Analysis of the Synthesis of Bioactive Glasses and Mesoporous Bioactive Glasses of 45S5 and 58S and its Characterization for Biomedical Applications	Poster	TMT-AB42P
30	Ms. Poorvi Shiva Kumar	Junior Research Fellow, MIRM, MAHE Bangalore	poorvishivakumar.1209@gmail.com	DESIGNING PLURONIC/SODIUM ALGINATE BASED BIOINK FOR 3D BIOPRINTING AND TISSUE ENGINEERING APPLICATIONS	Poster	TMT-AB43P
31	Ms. Madhumathi Rajendran	SASTRA Deemed University, Thanjavur.	madhumathir0504@gmail.com	Emergence of 3D Colon Organoids via Droplet-based 3D Bioprinting for Drug Screening and Precision Medicine Applications	Poster	TMT-AB44P
32	Mr. Mohammad Aftab Alam Ansari	PDPM Indian Institute of Information Technology, Design & Manufacturing, Jabalpur	1913606@iitdmj.ac.in	Wollastonite Particle Reinforced PLA-PCL Blend as Composite Biomaterials for Biomanufacturing of Shape Memory Bone Scaffolds	Poster	TMT-AB46P
33	Mr. Tanmay Bharadwaj	National Institute of Technology Rourkela	tanmay4@live.com	Evaluation of self-assembled nanofibrous aggregates (SNAs) for assessing osteogenic potential in the development of bioinks for bone tissue regeneration	Poster	TMT-AB47P
34	Ms. ANJU KRISHNAN	RGCB, Thiruvananthapuram	anjukrishnan@rgcb.res.in	Unravelling the role of $\alpha 7$ - nAChR mediated calcium signalling in neurological diseases	Poster	TMT-AB48P
35	Ms. Shreya Chrungoo	National Institute of Technology Rourkela	shreyachrungoo@gmail.com	Development of a High Shape Fidelity Composite Bioink for Enhanced Osteogenic Differentiation of Mesenchymal Stem Cells for Bone Tissue Engineering	Poster	TMT-AB49P
36	Ms. RESHMA MURALI	SCTIMST Thiruvananthapuram	murali.reshmamurali@gmail.com	Carboxy-methyl cellulose -Alginate-Gelatin based injectable hydrogel mediated delivery of stem cell spheroids and secretome for Wound healing Applications	Poster	TMT-AB51P
37	Ms. Linju M C.	Sree Chitra Tirunal Institute for Medical Sciences & Technology Poojappura, Thiruvananthapuram	mclinju@sctimst.ac.in	Arginine conjugated chitosan matrix for wound healing applications	Poster	TMT-AB55P
38	Ms. ANCY M	SCTIMST Thiruvananthapuram	ancy@sctimst.ac.in	pH/Redox-Dual Responsive Cationic Pullulan Based Nanocarriers for Anticancer Applications	Poster	TMT-AB56P
39	Ms. Linju M C	Sree Chitra Tirunal Institute for Medical Sciences & Technology Poojappura, Thiruvananthapuram	mclinju@sctimst.ac.in	Effect of copper and zinc ions in wound healing under multiple chronic conditions: In vitro studies	Poster	TMT-AB57P
40	Ms. Deepa C	Sree chitra tirunal Institute for medical science and technology	deepachakkungal@sctimst.ac.in	Evaluating the efficiency of an alginate based composite hydrogel system to be used as 3D bioprinted skin substitute	Poster	TMT-AB60P
41	Ms. Mahima Gowri I.S	Sree chitra Tirunal Institute for medical sciences and technology	mahigowriis@gmail.com	Development and Characterization of multi component hydrogel formulation for invitro pituitary adenoma construct.	Poster	TMT-AB61P
42	Ms. AKALYA. R	Student, M.Tech Clinical Engineering, Dept. of Applied Mechanics, IIT-Madras, Tamil Nadu	cl23m001@smail.iitm.ac.in	Development and Validation of a Mobile App for Imaging of Leg Ulcers	Poster	TMT-AB63P
43	Ms. Chaitali Navnath Shinde	DY Patil Educational Society	Shindechaitali856@gmail.com	Tissue Engineering of Corneal Scaffold Using Decellularized Goat Cornea	Poster	TMT-AB65P
44	Ms. Leena R Chaudhari	D.Y. Patil Education Society (Deemed to be University), Kolhapur 416006, MS, India.	lchoudhari2@gmail.com	3D printed spinal cord graft development using tissue specific bioink promotes functional recovery in complete spinal cord injury rat model	Poster	TMT-AB66P
45	Mr. MAHESH M L	IISER Thiruvananthapuram	mahesh23@iisertvm.ac.in	Broad-Spectrum Antibiofilm Coatings Based on 2D Material/Biopolymer for Preventing Implant-Related Infections	Poster	TMT-AB69P

46	Ms. K SWETHA	IISER Thiruvananthapuram	kswetha22@iisertvm.ac.in	Biodegradability of Reduced Graphene Oxide by Human, Plant and Microbial Enzymes: Impact of Iron oxide Nanoparticles	Poster	TMT-AB70P
47	Mr. Rohit Goyal	Shiv Nadar Institute of Eminence, Greater Noida , india	rq205@snu.edu.in	Nature-inspired 3D printed nano cellulose fiber reinforced hierarchical functional hydrogel composites toward biomedical applications	Poster	TMT-AB71P
48	Ms. Revathy S Menon	Amrita School of Nanosciences and Molecular medicine, Amrita Vishwa Vidyapeetham, Kochi, Kerala, India	revathys@acnsmm.aims.amrita.edu	Evaluating the efficacy of chondrocytes and mesenchymal stem cells loaded interpenetrating network injectable hydrogel for growing elastic cartilage	Poster	TMT-AB73P
49	Mr. Mohit Kamboj	Indian Institute of Technology Ropar	mohit.21bmz0001@iitpr.ac.in	Development and characterization of a multifunctional nanofibrous dressing for burn wound healing	Poster	TMT-AB74P
50	Ms. Hridhya K S	Amrita School of Nanosciences and Molecular Medicine, Amrita Vishwa Vidyapeetham, Kochi, Kerala, India	hridhyaks@acnsmm.aims.amrita.edu	Bioengineered Embryonic and Adult Bone-marrow Niches differently influence Hematopoietic Stem Cells Proliferation and Functionality.	Poster	TMT-AB75P
51	Ms. Barnika De / Ms. Yogitha Anand	Vellore Institute of Technology, Vellore	barnikade25@gmail.com / yogitha.dharani5@gmail.com	Development and Evaluation of Zinc-Conjugated Carboxymethyl Chitosan Scaffolds for Enhanced Bone Regeneration and Antibiofilm Properties	Poster	TMT-AB76P
52	Ms. Niji Nandakumar	Amrita School of Nanosciences & Molecular Medicine, Amrita Vishwa Vidyapeetham, Kochi, Kerala, India	nijinnc@aims.amrita.edu	Enhancing the retention and functionality of injected MSCs through bioengineered microenvironments for improved bone regeneration	Poster	TMT-AB78P
53	Mr. Akhil T. T.	Amrita School of Nanosciences and Molecular medicine, Amrita Vishwa Vidyapeetham, Kochi, Kerala, India	akhiltt@aims.amrita.edu	Biofactors loaded nanoporous immunoprotective capsules for islet cell encapsulation	Poster	TMT-AB79P
54	Ms. Kavita Kumari Thakur	Assistant Professor	kavitakumari.t@somaiya.edu	Bioink preparation and characterization method for bone scaffold	Poster	TMT-AB80P
55	Ms. SUPRIYA BHATT S	Manipal Institute of Regenerative Medicine, Manipal Academy of Higher Education	supriya.s@learner.manipal.edu	PVA-Chitosan Hydrogel as a Biocompatible Scaffold for Hepatocyte Function and Regeneration.	Poster	TMT-AB81P
56	Ms. Maya Lakshmanan	PhD Scholar	maya.mirmblr2022@learner.manipal.edu	Decellularization of caprine ovaries for developing scaffolds for ovarian tissue engineering applications	Poster	TMT-AB82P
57	Ms. Himanshi Diwan	Indian Institute of Technology Mandi, H.P.	d23074@students.iitmandi.ac.in	Mineralized Himalayan Sheep Wool Based Composite 3D Printed Scaffolds with Curcumin for Osteosarcoma Management	Poster	TMT-AB86P
58	Mr. Saksham Handa	Indian Institute of Technology, Mandi, Himachal Pradesh	d23102@students.iitmandi.ac.in	3D-Printed Chondroinductive Nano MnO ₂ -Salicylic Acid-PCL Composite Scaffolds for Osteochondral Regeneration	Poster	TMT-AB87P
59	Dr. ASHNA GAUTHAMAN	Senior scientist	ashnagauthaman@gmail.com , ashna.gauthaman@drmoopensmc.ac.in	Fabrication efficiency and bio-mimetic properties of solvent casted TPU films for artificial dura mater substitutes: A study on functional replication	Poster	TMT-AB88P
60	Dr. Nasera Rizwana	Manipal Institute of Regenerative Medicine	dr.nrizwana@gmail.com	Exploration of 3D Bioprinted Schwann Cell Secretome on Neuronal and Glial cell Proliferation and Differentiation	Poster	TMT-AB89P
61	Ms. Manini Bhatt	Indian institute of technology Ropar, Punjab	manini.22bmz0004@iitpr.ac.in	Development of Multi-Phasic Hydrogel for Spinal Cord Injury Treatment	Poster	TMT-AB94P
62	Mr. Mahule Roy	NITK	roymahule26@gmail.com	Effect of Screen Time on Glaucoma	Poster	TMT-AB95P
63	Dr. S.Kunjalukkal Padmanabhan	University of Salento, Lecce, Italy	Sanosh.padmanabhan@unisalento.it	Bacterial Cellulose-Neem-Hypericum Oil Paste for Wound Care: In Vitro and In Vivo Evaluation in Galleria Mellonella Model	Poster	TMT-AB96P
64	Mr. Abhijeet S Manwar	Chemical Engineering Department, VNIT	manwarabhijeet365@gmail.com	Evaluating the Therapeutic Potency of Doxorubicin-Loaded Iron Oxide Nanoparticles of Various Shapes in MCF-7 Breast Cancer Treatment	Poster	TMT-AB97P
65	Ms. Pooja Kolekar	DY Patil Education Society, Vidyannagar	kolekarpooja123@gmail.com	Development of Breast Reconstruction Implant using Decellularized Placenta and Fibrin Glue	Poster	TMT-AB98P
66	Yusuf Olatunji Waidi	IISc Bangalore	yusufwaidi@iisc.ac.in	Vat-based 3D-Bioprinted Scaffolds from Photocurable Bacterial Levan for Osteogenesis and Immunomodulation	Poster	TMT-AB99P
67	Dr. Sachin Latiyan	IISc Bangalore	sachinlatiyans@gmail.com	4D printing of sericin: Transition from textile waste to medical wealth	Poster	TMT-AB100P
68	Ms. Asha V. Nath	SCTIMST, Thiruvananthapuram	ashavnath93@gmail.com	Mesoporous Silica Nanoparticles for Delivery of All-Trans Retinoic Acid: Synthesis, Functionalization, and Modulation of Smooth Muscle Cell Phenotype	Poster	TMT-AB101P
69	Ms. Aanchal Rathi	Jamia Millia Islamia	aanchalr45@gmail.com	Exploring Baicalin and Resveratrol as Potent PIM-1 Kinase Inhibitors for Prostate and Breast Cancer Intervention	Poster	TMT-AB103P
70	Ms. Subhashree Mishra	IIT Madras	ph20d302@smail.iitm.ac.in	Optical reflectance method to evaluate the hemocompatibility of biomedical devices	Poster	TMT-AB104P

71	Ms. Aaliya Taiyab	Jamia Millia Islamia, New Delhi	aaliya1909869@st.jmi.ac.in	Unlocking the Potential of Resveratrol in Cancer Therapy through MTH1 Inhibition	Poster	TMT-AB106P
72	Ms. Reshma IR	IIT Hyderabad	id22resch11004@iith.ac.in	Engineering 3D Bioprinted Pancreatic Constructs and Development of Advanced SERS Sensors for Insulin Detection	Poster	TMT-AB107P
73	Mr. Musharraf Hussain	IISc Bangalore	musharrafh@alum.iisc.ac.in	Multifunctional Self-healing Injectable and conductive Hydrogel for biomedical applications.	Poster	TMT-AB108P
74	Ms. Rukhiya Salim	SCTIMST	rukhiyasalim47@gmail.com	Gelatin Vinyl Acetate Copolymer Scaffolds As Microencapsulation Device for Pancreatic Islet Transplantation	Poster	TMT-AB110P
75	Dr. Madhura Bellippady	University West, Sweden	madhura.bellippady@hv.se	Hydroxyapatite-based Composite Coatings Produced by Axial Suspension Plasma Spraying	Poster	TMT-AB111P
76	Mr. Nandakumar S	VIT University, Vellore , India	nandakumar.s2023@vitstudent.ac.in	Bioinspired Hydrogel Coatings on Orthopedic Titanium Alloys - Click Chemistry for Enhanced Anti-infection and Biofunctionality	Poster	TMT-AB112P
77	Ms. Chithra Anilkumar	VIT University, Vellore , India	chithra.anilkumar2023@vitstudent.ac.in	Click Induced Bioinks for 3D Bioprinting for Osteochondral and Cartilage Regeneration	Poster	TMT-AB114P
78	Mr. Pradeepkumar S.S.	SCTIMST	pradeep@sctimst.ac.in	Rapid Optical detection of bacteria in clinical samples	Poster	TMT-AB115P
79	Mr. Teki Sai Verrabhadra Nikhil	IIT Kanpur	nicktsv@iitk.ac.in	Dissociation constant mediated surface charge switchable nanoparticles to overcome physiological barriers	Poster	TMT-AB118P
80	Ms. Pragati Sharma	Indian Institute of Technology Hyderabad (IITH),	pragatisharma1111@gmail.com	Exploring the Contradictory Effects of Human Umbilical Mesenchymal Stem Cells and Bone Marrow Mesenchymal Stem Cells on Lung Cancer Cells Despite Shared Developmental Origins	Poster	TMT-AB119P
81	Ms. Amrutha K	Trichy	amruthakrishnamoorthy186@gmail.com	3D Printing of Scaffolds Using Ceramic Paste Reinforced with Bentonite for Load Bearing Bone Defects	Poster	TMT-AB121P
82	Mr. Arjun Somarajan	AMRITA, Kochi	rajmaash@gmail.com	Mechanically robust nanofibrous polydioxanone yarns for suture application	Poster	TMT-AB122P
83	Ms. Anitha.T.A	AMRITA, Kochi	anithata@acnsmm.aims.amrita.edu	Development of bioactive nanotextured titanium nitride oxide coatings on metallic substrates for cardiovascular applications	Poster	TMT-AB123P
84	Mr. Yugesh Ramdhun	IIT Madras	ge23m010@smail.iitm.ac.in	Optimization and Comparative Analysis of Exosome Isolation Techniques for Enhanced Yield	Poster	TMT-AB124P
85	Ms. Akhila Sethuraman S	SASTRA	akhila@scbt.sastra.ac.in	Evaluation of a combination of biomaterials for the development of implantable bioartificial pancreas	Poster	TMT-AB125P
86	Ms. IRIN ANN VARUGHESE	AMRITA	irinavr1997@gmail.com	Nanoyarn Engineered Antimicrobial Indwelling devices for Combating Bacterial Infections for a prolonged period	Poster	TMT-AB127P
87	Ms. Vaishnavi O	AMRITA	vaish.nbr@gmail.com	Non-degradable Nanofibrous Membranes and Yarns for Biomedical Implant Applications	Poster	TMT-AB131P
88	Mr. Saswat Choudhury	IISc Bangalore	saswatc@iisc.ac.in	NIR-responsive Deployable and Customized 4D-printed Bone Tissue Scaffold	Poster	TMT-AB132P
89	Mr. R. Abimanyu	Bharathiar University, Coimbatore- 641 046, Tamil Nadu.	abimanyu.nst@buc.edu.in	Development of Polyelectrolyte Nanofibers Mat Loaded with Quercetin and Pyrazinamide for Enhanced Chronic Wound Healing	Poster	TMT-AB134P
90	Ms. SHARMISTHA DAS	IISc Bangalore	sharmisthad@iisc.ac.in	Fabrication of Silicon Nanopillars for Guiding Neural Networks	Poster	TMT-AB135P
91	Mr. Saravanan P	Vellore Institute of technology	saravanan.p2024@vitstudent.ac.in	3D printed PCL scaffolds modified with plasma treatment and coating with beta TCP for bone tissue engineering application	Poster	TMT-AB136P
92	Mr. S. Manikandan	Department of Nanoscience and Technology, Bharathiar University, Coimbatore-641 046, Tamil Nadu.	nsmanikandan1575@gmail.com	Enhanced Breast Cancer Treatment Using Liposome-Encapsulated Curcumin and Curcumin/Vitamin C Combinations: Improved Stability, Cytotoxicity, and Therapeutic Efficacy	Poster	TMT-AB138P
93	Mr. Brateen Datta	Research Scholar, Indian Institute of Technology Kharagpur, Kharagpur	brateendatta98@gmail.com	Paper-based smartphone integrated electroanalytical strip for label-free mycotoxin detection	Poster	TMT-AB139P
94	Ms. Alaka T Panicker	Indian Institute of Science	alakap@iisc.ac.in	Evaluation of the role of printing parameters in the 3D printing of silicone elastomers for personalized medical implants	Poster	TMT-AB140P
95	Ms. M.Smrithi	Amrita School of Nanosciences and Molecular Medicine	smrithipillai3@gmail.com	Injectable Gellan Gum hydrogel with Alginate-Gelatin Particle-Loaded Pirfenidone for Arthrofibrosis management	Poster	TMT-AB141P
96	Ms. Aiswarya VG	SASTRA Deemed University, Thanjavur.	aiswarya@scbt.sastra.ac.in	Fabrication of Bi-layered Skin Tissue Equivalents by Combining Electrospinning & 3D Bioprinting Techniques	Poster	TMT-AB143P
97	Mr. Saurish Sahay	VIT Vellore	saurish.sahay2021@vitstudent.ac.in	Development of Smart Polymer Coatings for Sustained Drug Release in Post-Implantation Scenarios	Poster	TMT-AB145P
98	Mr. PRITHVIJIT BASU	VIT Vellore	pabrocks19@gmail.com	Gentamicin Loaded Pluronic F127 Hydrogel Incorporation into Additively Manufactured Porous Ti6Al4V Bone Graft for Controlled Drug Delivery	Poster	TMT-AB146P

99	Mr. Sandeep Jat	NIPER Guwahati	jatsandeep807@gmail.com	Purification and Characterization of highly pure curcumin, desmethoxycurcumin, and bisdemethoxycurcumin from North-East India Lakadong turmeric (<i>Curcuma longa</i>)	Poster	TMT-AB147P
100	Dr. Chetna Verma	IIT Delhi	vermachetna18@gmail.com	Development of Bioactive Polyvinyl Alcohol Nanofibers for Wound healing Application	Poster	TMT-AB148P
101	Mr. Nipun Jain	Indian Institute of Science	nipunjain@iisc.ac.in	Engineering 3D bio-printed Lung-on-a-Dish platform to investigate Pulmonary Fibrosis	Poster	TMT-AB149P
102	Mr. Udhayakumar S	CSIR-Central Leather Research Institute	udhayakumar.biotech@gmail.com	Synthesis of L-arginine functionalized Curcuminoid Impregnated on Collagen 3D hybrid Scaffold for Wound Healing	Poster	TMT-AB150P
103	Dr. Akanksha Dohare	IIT Kanpur	dohare.akanksha@gmail.com	In situ carbonization metamorphoses porous silica particles into biodegradable therapeutic carriers of lesser consequence on TGF- β 1 mediated fibrosis	Poster	TMT-AB151P
104	Dr. M. Ramadas	Bharathiar University,	ramunano1990@gmail.com	Fabrication and biological of three-dimensional (3D) Mg substituted bi-phasic calcium phosphate porous scaffolds for hard tissue engineering	Poster	TMT-AB152P
105	Ms. Simarpreet Kaur	IIT Ropar	simarpreet.20bmz0002@iitr.ac.in	Phosphoserine-Based Osteo-Adhesives for Advanced Reconstructive and Regenerative Orthopaedic Applications	Poster	TMT-AB153P
106	Ms. Sreekala Balan P	SCTIMST	sreekalabalan@sctimst.ac.in	Silica Functionalized Collagen – Ceramic Plugs for Alveolar Ridge Augmentation	Poster	TMT-AB155P
107	Ms. SAYONI SARKAR	Indian Institute of Technology Bombay	sayoninitt@gmail.com	Photo-responsive biomimetic ceria nanozyme for multi-modal targeted cancer therapeutics	Poster	TMT-AB156P
108	Ms. Ayesha Aiman	Jamia Millia Islamia, New Delhi.	ayeshaaiman9654@gmail.com	Investigating the Role of Chemical Denaturants and pH Variations on the Structural Stability of Interferon- β	Poster	TMT-AB158P
109	Ms. Jibi Mathew	SCTIMST	jibimathew2000@gmail.com	Optimizing Growth Kinetics for the Rapid Detection of <i>Moraxella catarrhalis</i>	Poster	TMT-AB159P
110	Ms. Eshita Mukherjee	IIT Roorkee	e_mukherjee@nt.iitr.ac.in	A multifunctional colorimetric sensor on cotton fabric for detection of volatile aldehydes, ketones and cigarette smoke	Poster	TMT-AB160P
111	Mr. S jabastin	University of Madras,	samjabastin29@gmail.com	Multi-dopant hydrogels as potential drug delivery systems	Poster	TMT-AB161P
112	Ms. R. Abirami	University of Madras	rmabirami1921@gmail.com	Preparation And Characterization Of Hybrid Polymers Crosslinked With Borax Hydrogel For Wound Dressing	Poster	TMT-AB162P
113	Dr. Azeena S.	SRIHER, Chennai	azeenas@sriramachandra.edu.in	"An innovative minimally-invasive vaginoscopic approach for intrauterine infusion in rats – an infertility perspective"	Poster	TMT-AB163P
114	Ms. Aleena A S	Amrita School of Nanosciences and Molecular Medicine	aleenaas798@gmail.com	Development of Benzophenone/Graphene Oxide Biocidal Agent for Anti-Microbial Property	Poster	TMT-AB165P
115	Mr. Avinash Tripathi	Indian Institute of Technology, Roorkee	avinash_t@mt.iitr.ac.in	Preparation and properties of electrospun fiber of soya protein isolates for biomedical applications	Poster	TMT-AB166P
116	Ms. Megha Dhiman	Indian Institute of Technology, Roorkee, Uttarakhand 247667,	megha@nt.iitr.ac.in	A multilayered nanofibrous-hydrogel scaffold for the scar-free regeneration of skin incorporating herbal extract and drugs for the treatment of ballistic trauma	Poster	TMT-AB167P
117	Ms. BABY SHRUIT SHUKLA	IIT & HBTU	shruti.shukla8960@gmail.com	Design and Evaluation of Multi-Layered Agarose Films for Targeted Release of Diclofenac and Curcumin in Wound Care Applications	Poster	TMT-AB168P
118	Ms. Amrutha Datla	Indian Institute of Technology Hyderabad	bm21resch01006@iith.ac.in	Bioreactor- stimulated PCL-dECM engineered electrospun scaffolds with Umbilical Cord MSCs initiate tenogenesis and reinforce Mechanical Integrity	Poster	TMT-AB170P
119	Mr. Arabinda Majhi	IIT Roorkee	arabindamajhi32@gmail.com	Collagen peptides and Neurotrophin-3 functionalized bilayer biocompatible and biodegradable scaffold for guided motor neuron regeneration	Poster	TMT-AB171P
120	Mr. JASEEM SAJIDH N A	Indian Institute of Information Technology, Design and Manufacturing, Kancheepuram, Chennai	me21d0002@iiitdm.ac.in	An Approach to Predict In-situ Temperature During End Milling Process on Cortical Bone: A Study Intended for Bone Grafting	Poster	TMT-AB172P
121	Ms. Vaishnavi Jitendra Parekh	Department of Biomedical Engineering, Parul Institute of Technology	vaishnaviparekh41@gmail.com	CFD Analysis of Coronary Arteries for evaluating the thrombosis mechanical parameter using LBM and Laminar flow model	Poster	TMT-AB174P
122	Mr. Syed Naveed Ul Meiraj	Indian Institute of Information Technology Design and Manufacturing Kancheepuram	me22d0004@iiitdm.ac.in	Computational Method to Assess Pelvic Stability Post Bone Harvest: A Finite Element Analysis for Autografting Procedures	Poster	TMT-AB176P

123	Mr. Ansheed Raheem	Centre for Biomaterials, Cellular & Molecular Theranostics (CBCMT), Vellore Institute of Technology	ansheed@gmail.com	Biomimetically Designed Bone-Mimicking Coaxial Gyroid-Voronoi (GYVO) Architecture For Enhanced Orthopedic Implant Applications.	Poster	TMT-AB177P
124	Ms. Hima Haridas	SCTIMST	himaharidas375@gmail.com	Optimization of Injectable Chitosan-based Hydrogels for Maintaining Biofunctionality of Articular Chondrocytes for ACI	Poster	TMT-AB178P
125	Ms. Rosebin Babu	Indian Institute of Technology Kharagpur	rosebinbabu@gmail.com	Development of Hyaluronic acid based Pre-Formed Injectable Hydrogel: A Minimal Invasive Localised Therapy for Osteoarthritis	Poster	TMT-AB180P
126	Mr. Joel P Joseph	Indian Institute of Science	joeljoseph@iisc.ac.in	A 3D bioprinted T cell culture system to screen immunomodulatory drugs	Poster	TMT-AB181P
127	Ms. Zahra Sifat Zaidi	Department of Biological Sciences and Bioengineering, Indian Institute of Technology Kanpur, Kanpur	zszaidi@iitk.ac.in	Understanding the influence of physicochemical properties of ECM on breast cancer progression and nanoparticle mediated chemotherapy	Poster	TMT-AB182P
128	Dr Souvik Debnath	Indian Institute of Science	souvikd@iisc.ac.in	2D Antimonene Composite Nanomedicine Exhibiting Immunomodulatory Properties on LPS-Stimulated Macrophage Cells and DSS-Induced Ulcerative Colitis Mice Model	Poster	TMT-AB183P
129	Mr. Sriram Bharath Gugulothu	IISc	bharathg@iisc.ac.in	3D Bioprinted Perfusable and Vascularized Tumor Model for Triple Negative Breast Cancer Therapeutics Evaluation	Poster	TMT-AB184P
130	Ms. KIRTHANA MOHAN	SCTIMST, TRIVANDRUM	kirthanapooja@gmail.com	Injectable photocrosslinkable small molecule conjugated CHMA-PEGDA hydrogel as scaffold for Cartilage Regeneration	Poster	TMT-AB185P
131	Ms. Saptomee Chakraborty	Department of Biological Sciences and Bioengineering, IIT Kanpur	saptomee@iitk.ac.in	An ex vivo goat cartilage model mimicking early-stage human osteoarthritis for screening of disease-modifying drugs	Poster	TMT-AB186P
132	Ms. ADRIJA BOSE	Institute Of Technology, Kanpur	adrijab22@iitk.ac.in	Combining Snail-mediated EMT targeting with chemotherapy as a potential treatment strategy for prostate and breast cancer	Poster	TMT-AB187P
133	Mr. Ubaid Tariq	Indian Institute of Technology Kanpur	ubaidt20@iitk.ac.in	Antioxidant, Injectable and Adhesive Polyurethane Hydrogel Attenuates Oxidative Stress and Reperfusion Injury in Cardiomyocytes	Poster	TMT-AB190P
134	Mr. Sudipto Datta	Indian Institute of Science	sudiptodatta@iisc.ac.in	Bioprinting of Magneto-Sensitive Hydrogel for studying the effect of Alternate Magnetic Field on Lung Cancer Cells	Poster	TMT-AB193P
135	Mr. MOHANDASS P	CSIR - CLRI	mohanpb12@gmail.com	Electroconductive 3D-printed photo-crosslinkable hydrogel for cardiac tissue regeneration	Poster	TMT-AB194P
136	Mr. Jithin Vishnu	AMRITA	jithinv@am.amrita.edu	Gallium based surface engineering as a potential antibacterial strategy for Ti-implant applications	Poster	TMT-AB195P
137	Ms. Sindhu	Jain (Deemed-to-be-University) Bangalore-560078	sindhukulli98@gmail.com	Simple Synthesis of Ratiometric Carbon Dots Using Milk	Poster	TMT-AB198P
138	Ms. K Thala	Center for Research in Pure and Applied Sciences Jain (Deemed-to-be-University) Bangalore	thala2982001@gmail.com	Bi-Modal Mesoporous Silica Nanoparticles for Controlled Drug Release: Rod-Sphere Composite Structure for Cancer Treatment	Poster	TMT-AB199P
139	DR. KRISHNA PRADEEP KUMAR	Amrita School of nanosciences and molecular medicine	krishnapradeep91@gmail.com	Developing A Multi-Targeted Therapeutic Nanotextile Implant Encapsulating Bevacizumab And Olaparib For Epithelial Ovarian Cancer	Poster	TMT-AB201P
140	Ms. Ashwini Vasudevan	ILBS hospital , New Delhi	ashwinivasudevan@yahoo.com	Platelet lysate derived hydrogels as a therapeutic strategy to augment regeneration upon acute liver injury	Poster	TMT-AB202P
141	Ms. MAHIMA RACHEL THOMAS	NUCSER, NITTE PANEER CAMPUS Deralakatte Mangalore	mahima.21phdbs201@student.nitte.edu.in	Alginate-Hyaluronate scaffold-based 3D Triple-negative Breast Cancer model	Poster	TMT-AB203P
142	Ms. Radhika R.	Women Scientist	radikaravindran@gmail.com	Development of a Multifunctional Polymer Network with Self-Healing, Adhesive, and Antimicrobial Properties using Ionic liquids	Poster	TMT-AB205P
143	Ms. Shona Sara Shaji	Amrita Institute of Medical Science and Research Center, Amrita School of Pharmacy, Kochi	shonashaji790@gmail.com	Multisome based nanoparticle for anticancer delivery	Poster	TMT-AB207P
144	Ms. Sapa Harika	Amrita Institute of Medical Science and Research Center, Amrita School of Pharmacy, Kochi	harikasapa168@gmail.com	A Novel Delivery System for Time lapsed Drug Delivery for Night time Heart Attack	Poster	TMT-AB208P

*** IMPORTANT ***

Any missing abstract noted need to be intimated to the convener at transmedtech24@gmail.com before November 10, 2024

Only the abstracts of the authors who register before **November 10, 2024** will be considered for award presentation.