

No. AcSIR/7/10(1)-2021

Dated: November 15, 2021

### **NOTIFICATION**

It is notified for all concerned that, the Chairman, Senate, Academy of Scientific and Innovative Research (AcSIR) dated 15.11.2021, has approved the notification for award of the Ph.D degree of the following students in the months September to October 2021.

Sl. No	Registration Number	Name	AcSIR Academic Centre	Faculty / Broad Subjects	Supervisor	Thesis Title	Date of Award of Ph.D Degree
1	10PP16A32001	Ruchi Bhardwaj	CSIR-NPL, New Delhi	Physical Sciences	Bhasker Gahtori	Synthesis and characterization of cosb3 based materials for mid-temperature thermoelectric applications	01.09.2021
2	10CC15A26002	Ajay Bansode	CSIR-NCL, Pune	Chemical Sciences	Gurunath Suryavanshi	Synthesis of biologically important molecules and development of synthetic methodologies involving oxidation reactions via visible-light and transition metal-free conditions	08.09.2021
3	10CC18J05008	Vitalis Ikenna Chukwuikwu	CSIR-CECRI, Karaikudi	Chemical Sciences	Rakesh C. Barik	Corrosion inhibition of copper using metal tungstate based nanocomposites in chloride environment	09.09.2021
4	20EE16J32015	Rama shankar Gupta	CSIR-NPL, New Delhi	Engineering Sciences	Ritu Srivastava	Synthesis and characterization of organohalide perovskite single crystals for detector application	10.09.2021
5	10CC15J18023	Shinde Sundar Sampatrao	CSIR-IICT, Hyderabad	Chemical Sciences	Pravin R Likhar	Multi-component reactions: Highly efficient tool for development of new n-heterocycles via (3+2) cycloaddition	10.09.2021
6	10BB15J25003	Ram Jatan	CSIR-NBRI, Lucknow	Biological Sciences	Charu Lata	Identification and characterization of plant growth promoting rhizobacteria-responsive microRNA(s) from plants	10.09.2021
7	10BB14A02033	Snigdha Bhowmick	CSIR-IGIB, New Delhi	Biological Sciences	Soumya Sinha Roy	The role of voltage dependent anion channels (VDACs) in the development and progression of hepatocellular carcinoma	10.09.2021

8	10BB15A39023	Preetha Rani	CSIR-NIIST, Thiruvananthapuram	Biological Sciences	Raghu K. G.	Exploration of ER stress and associated complications in the genesis of hyperglycemia induced cardiomyopathy and possible amelioration with chlorogenic acid	10.09.2021
9	10BB15A10012	Priyanka Kumari	CSIR-CIMAP, Lucknow	Biological Sciences	Abha Meena	Green synthesis and characterization of nanomaterials from plant sources and its pharmaceutical application	10.09.2021
10	10CC14A26004	Santosh Shelar	CSIR-NCL, Pune	Chemical Sciences	Narshinha P. Argade	Cyclic anhydrides and imides to indole based novel natural and unnatural products	10.09.2021
11	10CC16A16001	Trivedi Jaladhi Sanjaykumar	CSIR-CSMCRI Bhavnagar	Chemical Sciences	Suresh Kumar Jewrajka	Ion exchange and polyamide thin film composite membranes for the removal of salt and toxic metal ions	10.09.2021
12	10CC15J19003	Sachin Sharma	CSIR-IIP, Dehradun	Chemical Sciences	Rajaram Bal	Production of clean methanol from carbon dioxide by using nano structured catalyst	10.09.2021
13	10BB15J37002	Gurpreet Singh	CSIR-IIIM, Jammu	Biological Sciences	Meenu Katoch	Exploration of endophytic fungi from <i>Brugmansia aurea</i> for discovery of bioactive metabolites through conventional and epigenetic modulation approach	10.09.2021
14	10BB16J39009	Prajeesh K. V.	CSIR-NIIST, Thiruvananthapuram	Biological Sciences	Rajeev K. Sukumaran	Glucose tolerant beta-glucosidase of <i>Aspergillus unguis</i> : In-silico characterization, cloning, expression and genome/transcriptome profiling to understand its regulation	10.09.2021
15	10BB16J18027	Swetha Pavani Rao	CSIR-IICT, Hyderabad	Biological Sciences	Shashi Vardhan Kalivendi	Investigating the mitochondrial effects of embelin and carnitine tagged idebenone in cellular and animal models of Parkinson's disease	10.09.2021
16	10BB16A08012	Mahendra V P	CSIR-CFTRI, Mysuru	Biological Sciences	Ravi Kumar	Effect of dietary molecules in glucose-stimulated insulin secretion from pancreatic $\beta$ -cells and their effect on insulin aggregation	10.09.2021
17	10CC13A26022	Maher Deepak Mannusing	CSIR-NCL, Pune	Chemical Sciences	Prakash P. Wadgaonkar	Step growth polymers bearings pendant clickable groups via functional monomer approach: Synthesis, characterization and chemical modification	10.09.2021
18	10CC17J39004	Meenu M. T.	CSIR-NIIST, Thiruvananthapuram	Chemical Sciences	Radhakrishnan K.V.	Identification and derivatization of bioactive secondary metabolites from traditionally highlighted floras and exploring applications thereof	10.09.2021

19	10PC16J15001	Priyanka	CSIR-CSIO, Chandigarh	Chemical Sciences	Suman Singh	Studies on particle processing techniques, characterization and stability of high energetic materials	10.09.2021
20	10CC18J05003	M. Karnan	CSIR-CECRI, Karaikudi	Chemical Sciences	M. Sathish	High energy supercapacitor device fabrication using various bio-derived activated carbon	10.09.2021
21	10BB14A37008	Anil Kumar	CSIR-IIIM, Jammu	Biological Sciences	Zabeer Ahmed	Anti-inflammatory and anti-arthritis potential of new alantolactone derivative	20.09.2021
22	10BB14A08025	Suchitra Pradhan	CSIR-CFTRI, Mysuru	Biological Sciences	Ravi Kumar	Understanding the mechanism of chromosome condensation by SMC proteins in <i>Mycobacterium smegmatis</i>	20.09.2021
23	10CC15A18016	Supriya Pal	CSIR-IICT, Hyderabad	Chemical Sciences	Pratyay Basak	Nanostructured lithium titanate as a potential anode material for Li-ion batteries: Impact of phase purity, morphology, exposed facets and binders	22.09.2021
24	10CC15J26011	Prajna Mishra	CSIR-NCL, Pune	Chemical Sciences	Santosh Kumar Jha	Thermodynamic and spectroscopic characterization of near native states in protein folding	22.09.2021
25	20EE15J32020	Jaswant	CSIR-NPL, New Delhi	Engineering Sciences	Radhakrishnan S.R.	Study of aerosols over Western Himalayas and development of 3D scanning lidar	22.09.2021
26	20EE16A06002	Soumendu Sinha	CSIR-CEERI, Pilani	Engineering Sciences	Ravindra Mukhiya	Design, modeling, materials development, and fabrication of FET-based chemical sensors	22.09.2021
27	10BB16A17002	Deeksha Singh	CSIR-IICB, Kolkata	Biological Sciences	Sucheta Tripathy	In-depth analysis of a newly discovered marine cyanobacteria with bioremediation and bio-metabolite production potential	24.09.2021
28	10CC15J26010	Anagh Mukherjee	CSIR-NCL, Pune	Chemical Sciences	Kumar Vanka	Computational studies on the effect of charge and electric fields on systems of chemical and biological interest	27.09.2021
29	10CC15A16001	Tapan Sahoo	CSIR-CSMCRI Bhavnagar	Chemical Sciences	Subhash Chandra Ghosh	Transition metal catalyzed directing-group-assisted C-H activation and functionalization	27.09.2021
30	10CC16A26031	Tapas Haldar	CSIR-NCL, Pune	Chemical Sciences	Sayan Bagchi	Spectroscopic determination of electrostatic and hydrogen bonding interactions in chemical and biological systems	27.09.2021
31	10CC15J26025	Amol Ichake	CSIR-NCL, Pune	Chemical Sciences	Prakash P. Wadgaonkar	Bio-derived monomers for step-growth polymers based on lignin-derived aromatic chemicals and cashew nut shell liquid (CNSL)	27.09.2021

32	10BB15A02022	Paresh Kumar Purohit	CSIR-IGIB, New Delhi	Biological Sciences	Neeru Saini	Modulation of mitochondrial function and cellular stress by miR-195	27.09.2021
33	10BB16J37007	Pankaj Chibber	CSIR-IIIM, Jammu	Biological Sciences	G. D. Singh	Preclinical evaluation of OA-DHZ, a lead as an anti-inflammatory and analgesic derivative of dehydrozingerone.	27.09.2021
34	10BB16A10005	Soumya Sinha	CSIR-CIMAP, Lucknow	Biological Sciences	Abdul Samad	Genomic characterization of cucumber mosaic virus (es) infecting selected medicinal and aromatic plants: Pathogenic effects and management strategies	27.09.2021
35	10BB16A33005	Nitesh Kumar Sharma	CSIR-IHBT, Palampur	Biological Sciences	Ravi Shankar	High throughput data driven decoding of genomic system: A computational approach	28.09.2021
36	10BB14A08020	Abignangurukar M S	CSIR-CFTRI, Mysuru	Biological Sciences	Nandini C.D	Modulation of PPAR $\gamma$ by mulberry leaf bioactives and its implications on chondroitin sulphate/dermatan sulphate in kidney of diabetic rats	01.10.2021
37	10PP15J26030	SUTANU NANDI	CSIR-NCL, Pune	Physical Sciences	Ram Rup Sarkar	Development of machine learning strategies and integrated web platform for the prediction of essential genes	01.10.2021
38	10BB16A33002	Nikita Rathore	CSIR-IHBT, Palampur	Biological Sciences	Amit Chawla	Studies on adaptive responses of <i>Rhododendron anthopogon</i> to high altitude alpine environment of Himalaya	06.10.2021
39	10BB14A26043	Sneha Singh	CSIR-NCL, Pune	Biological Sciences	Kiran Kulkarni	Structural studies on sesquisabinene synthase 1: Enzyme involved in terpene biosynthesis pathway	06.10.2021
40	10BB17A37012	Umar Ahmad Sheikh	CSIR-IIIM, Jammu	Biological Sciences	Sheikh Tasduq Abdullah	Understanding the interplay of autophagy and DNA damage response mechanism in the regulation of ultraviolet-(B) –induced skin photodamage	06.10.2021
41	20EE14A15006	Lingaraj A. Hadimani	CSIR-CSIO, Chandigarh	Engineering Sciences	Neerja Garg	Non-destructive quality evaluation of kinnow mandarins using visible imaging	06.10.2021
42	10PP17J32005	Rajeev Dwivedi	CSIR-NPL, New Delhi	Physical Sciences	Parag Sharma	Study of refractive axicon generated patterns for their potential applications	21.10.2021
43	20EE15J32023	Sonam Perween	CSIR-NPL, New Delhi	Engineering Sciences	Bhasker Gahtori	Mn-based Heusler and intermetallic alloys as hard magnet and magnetic refrigerant	21.10.2021

44	10BB14A02012	Devi Prasanna Dash	CSIR-IGIB, New Delhi	Biological Sciences	Debasis Dash	Investigating protein folding capacity in laboratory evolved thermotolerant <i>S. cerevisiae</i> strains	21.10.2021
45	10BB15J37003	Nazir Ahmed Lone	CSIR-IIIM, Jammu	Biological Sciences	Sheikh Tasduq Abdullah	Exploring the role of endoplasmic reticulum-stress mediated autophagy signalling axis in melanoma: Natural product based analogues as therapeutic agents	21.10.2021
46	10BB16A38016	Sunita Munda	CSIR-NEIST, Jorhat	Biological Sciences	Mohan Lal	Genetic improvement of <i>Cymbopogon winterianus</i> through selection and mutation breeding	21.10.2021
47	10BB18A38010	Manabi Paw	CSIR-NEIST, Jorhat	Biological Sciences	Mohan Lal	Morphological and molecular characterization of <i>Curcuma caesia</i> Roxb.(kali haldi).endangered high value medicinal plant germplasm collected from different regions of India	21.10.2021
48	10BB15A18050	Yeeravalli Ragini	CSIR-IICT, Hyderabad	Biological Sciences	Amitava Das	TWIST1-mediated transcriptional regulation of PDGFR $\beta$ : An implication for breast cancer metastasis	21.10.2021
49	20EE15J18053	Maramraju Venkata Manasa	CSIR-IICT, Hyderabad	Engineering Sciences	G. Sarala Devi	Semiconducting p-NiO/n-MoO <sub>3</sub> nanocomposite based green-house gas sensor	21.10.2021
50	10CC18J16002	Akshay Kulshrestha	CSIR-CSMCRI Bhavnagar	Chemical Sciences	Arvind Kumar	Studies on self-assembly behavior of metal based surface active ionic liquid and their applications	21.10.2021
51	10CC18J18001	Bolatito Eunice Olanipekun	CSIR-IICT, Hyderabad	Chemical Sciences	Mangala Gowri	Novel isomeric corniculatolides, isoprenoids, phenolics from <i>Xylocarpus</i> & <i>Ceriops</i> genera and some semi-synthetic arjunolic acid analogues as $\alpha$ -glucosidase inhibitors	21.10.2021
52	10CC18J16005	Sandip Pal	CSIR-CSMCRI Bhavnagar	Chemical Sciences	Uma Chatterjee	Preparation of ion exchange membranes with high electrochemical properties for various electro-membrane applications	21.10.2021
53	10BB15J22010	Vipendra Kumar Singh	CSIR-IITR, Lucknow	Biological Sciences	Yogeshwer Shukla	To investigate the role of bisphenol A in prostate cancer metastasis	21.10.2021
54	10PP16A28001	Ajay Dev	CSIR-NGRI, Hyderabad	Physical Sciences	M Ram Mohan	Petrogenesis of granitoids from the Singhbhum craton: Insights into paleoarchean geodynamics	21.10.2021
55	10CC17J17006	Dipendu Patra	CSIR-IICB, Kolkata	Chemical Sciences	Sanjay Dutta	Design and synthesis of fluorescent quinoxaline molecules targeting nucleic acid	21.10.2021

56	10CC15A38004	Neipihoi	CSIR-NEIST, Jorhat	Chemical Sciences	M J Bordoloi	Chemical profiling and biological properties of the traditional medicinal plants ( <i>Croton caudatus</i> Gieseler and <i>Eurya acuminate</i> DC) used by the Kuki community of Manipur and Nagaland	21.10.2021
57	10CC17J26013	Rupali G. Kalshetti	CSIR-NCL, Pune	Chemical Sciences	C.V. Ramana	Early and late stage C-H activation protocols for bioactive molecules and direct conversion of stilbenes to diaryl- $\alpha$ -hydroxyacetraldehydes	21.10.2021
58	10CC16J11001	T. Nandhini	CSIR-CLRI, Chennai	Chemical Sciences	V.G. Vaidyanathan	Interaction of Ru(II) polypyridyl complexes with arylamine-DNA adducts	21.10.2021
59	20EE17A27002	Mili Pal	CSIR-NEERI, Nagpur	Engineering Sciences	Asifa Qureshi	Exploring the effective mitigation options for freshwater Harmful Algal Blooms (HABs) of <i>Microcystis aeruginosa</i>	21.10.2021
60	10BB14A08001	Monali Mukherjee	CSIR-CFTRI, Mysuru	Biological Sciences	Praveena B. Mudliar	Studies on biosensing of mycotoxins using oligonucleotides aptamers	21.10.2021
61	20EE16A14003	Fadamoro Oluwafemi Festus	CSIR-CRRI, New Delhi	Engineering Sciences	Devesh Tiwari	Performance evaluation of foam bitumen stabilization using warm RAP material and aggregates	21.10.2021
62	10PP16A28009	Rupali Mohanty	CSIR-NGRI, Hyderabad	Physical Sciences	P Senthil Kumar	A study of boulder fall occurrences in orientale multi-ring basin: Implications for recent seismic shaking on the moon	21.10.2021
63	10BB15A08008	Om Prakash	CSIR-CFTRI, Mysuru	Biological Sciences	V.B. Kudachika	Characterization of Kainth ( <i>Pyrus pashia</i> Buch.-ham ex. D. Don) fruit for biofunctional property and its value addition	22.10.2021
64	10BB15A33004	Supriya Sharma	CSIR-IHBT, Palampur	Biological Sciences	Damanpreet Singh	Identification and validation of molecular targets for the management of seizure-associated cardiac complications in chronic epilepsy models	26.10.2021
65	10BB16A33003	Himani Agrawal	CSIR-IHBT, Palampur	Biological Sciences	Mahesh Gupta	Characterization of millets protein hydrolysates and peptides for functional food formulation	26.10.2021
66	10CC16J26013	Meena Ghosh	CSIR-NCL, Pune	Chemical Sciences	Sreekumar Kurungot	Configuring post-lithium aqueous rechargeable zinc batteries using optimized electrolytes and electrode materials	26.10.2021
67	10CC14A26022	Abhijit Bera	CSIR-NCL, Pune	Chemical Sciences	B.L.V. Prasad	Scalable synthesis of dispersible semiconducting metal chalcogenides nanocrystals and their application	26.10.2021

68	10CC17J18020	Yerra Naga Veera	CSIR-IICT, Hyderabad	Chemical Sciences	T. Jagadesswara Reddy	Development of new matrices for MALDI and mass spectral studies on medicinally important compounds	26.10.2021
69	10BB15J08013	Govindaraj E	CSIR-CFTRI, Mysuru	Biological Sciences	Kunal Sharan	Effects of maternal high protein diet in the programming of adult bone mass of the offspring	26.10.2021
70	10CC16A18011	Haraprasad Mandal	CSIR-IICT, Hyderabad	Chemical Sciences	Prakriti Ranjan Bangal	Probing ultrafast carrier dynamics at the interface of semiconductor nanocrystals	28.10.2021



Associate Director, Academic

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