## ACADEMY OF SCIENTIFIC AND INNOVATIVE RESEARCH

(An Institution of National Importance by an Act of Parliament)

AcSIR, CSIR-HRDC Campus, Sector - 19, Kamla Nehru Nagar, Ghaziabad – 201002, U.P., India एसीएसआईआर, सीएसआईआर-एचआरडीसी परिसर, सेक्टर - 19, कमला नेहरू नगर, गाज़ियाबाद - 201002, उ.प्र., भारत

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

Dated: March 24, 2021

## NOTIFICATION

It is notified for all concerned that, the Chairman, Senate, Academy of Scientific and Innovative Research (AcSIR) dated 23.03.2021, has approved the notification for award of the Ph.D degree of the following students in the months January and February 2021.

SI. No.	Registration Number	Name	AcSIR Academic Centre	Faculty / Broad Subjects	Supervisor	Thesis Title	Date of Award of Ph.D Degree
1	10CC15J26022	Rahul Jagtap	CSIR-NCL, Pune	Chemical Sciences	Benudhar Punji	Base metal- catalyzed C–H bond functionalization of (Hetero)arenes: Scope and mechanistic perspective	05.01.2021
2	10CC13A18027	Venu Yakati	CSIR-IICT, Hyderabad	Chemical Sciences	Rajkumar Banerjee	Liposomal drug carriers for selective targeting of cancer therapeutics to glioblastoma and colorectal cancer	05.01.2021
3	10BB17J26063	Govinda Navale	CSIR-NCL, Pune	Biological Sciences	Mahesh S. Dhame	Improved production of epi-cedrol and santalene by fusion protein expression: Stability study and cyclization mechanism of epi-cedrol biosynthesis	05.01.2021
4	10PP13J27003	Ishan Raj	CSIR-NEERI, Nagpur	Physical Sciences	Atul N Vaidya	Biological treatment of obnoxious gaseous emission containing alkyl amines	05.01.2021
5	10CC17A18021	Rajesh Manda	CSIR-IICT, Hyderabad	Chemical Sciences	M. Sridhar Reddy	Alkyne as a platform for c-metal bond generation and studies on its tandem utilization	05.01.2021
6	10CC14A11002	Ramanjaney ulu Mala	CSIR-CLRI, Chennai	Chemical Sciences	S Thennarasu	Design, synthesis and applications of novel imidazo [1,2-a]pyridine based sensors for detection of contaminant metal ions in the environment	05.01.2021
7	10BB15J11003	Charuvaka Muvva	CSIR-CLRI, Chennai	Biological Sciences	V. Subramanian	Computational studies on the structure, dynamics and binding of inhibitors with proteins involved in age-related diseases	05.01.2021

8	10BB15A11002	Priyadarshni Choudhary	CSIR-CLRI, Chennai	Biological Sciences	Sujoy K Das	Graphene: synthesis, characterization and its application in biomedical field	05.01.2021
9	10BB16A04017	Sukka Santosh Reddyl	CSIR-CDRI, Lucknow	Biological Sciences	Manoj K Barthwal	Exploration of novel immunometabolic mechanisms regulating cardiometabolic disorders	05.01.2021
10	20EE16J32020	Arun Kumar Singh	CSIR-NPL, New Delhi	Engineeri ng Sciences	Rupesh M. Das	Characterization of polar region ionosphere for effective communication and navigation applications	06.01.2021
11	10MM16A3000 1	Abhishek Kumar	CSIR- NISTADS, New Delhi	Mathemat ical & Informati on Sciences	Naresh Kumar	Mathematical modelling and development of decision support system	06.01.2021
12	10BB16A04010	Priya Pathak	CSIR-CDRI, Lucknow	Biological Sciences	Kumaravelu Jagavelu	Effect of diet induced dyslipidemia on vasoreactivity, systemic and skeletal muscle insulin sensitivity in C57BL/6 and NOS2KO mice	06.01.2021
13	10BB17J38005	Thingreila Muinao	CSIR-NEIST, Jorhat	Biological Sciences	H P Deka Boruah	Role of cell cycle regulatory transcription factors in G1/S transition of ovarian cancer cells	08.01.2021
14	10BB14J04009	Raval Kavit Harsiddhara Y	CSIR-CDRI, Lucknow	Biological Sciences	Manish K Chourasia	Design and development of nano-sized formulations for oral delivery of Insulin and C-peptide	13.01.2021
15	10CC15J26006	Vidyanand V.	CSIR-NCL, Pune	Chemical Sciences	Sreekumar Kurungot	Preparation, characterization and application of proton, lithium and zinc-ion conducting polymer electrolytes for supercapacitors, lithium- and zinc-metal batteries	13.01.2021
16	10CC15J18005	P. Pavankumar	CSIR-IICT, Hyderabad	Chemical Sciences	S. Prabhakar	Multi platform mass spectrometry based metabolomic studies on plasma metabolites of hemodialysis patients, lipids of milk, fatty acids of rice, and characterization of N-methyl amino acids	13.01.2021
17	10CC16A32026	Sneha Chawla	CSIR-NPL, New Delhi	Chemical Sciences	Nahar Singh	Study towards re-usability of dye contaminated water by functionalized adsorbents	13.01.2021
18	10CC14A18010	Swetha Yagnam	CSIR-IICT, Hyderabad	Chemical Sciences	Rajiv Trivedi	Oxime, indole and isatin moieties as linkers for Ferrocene triazole conjugates and their biological activities	13.01.2021
19	10CC16A38002	Kashyap J. Tamuli	CSIR-NEIST, Jorhat	Chemical Sciences	M J Borodoloi	Studies on green synthetic methodologies for the construction of nitrogen containing heterocycles and useful building blocks	13.01.2021
20	10BB15A38011	Paranjoli Boruah	CSIR-NEIST, Jorhat	Biological Sciences	J Kalita	Studies on efficiency of bacterial laccase enzyme on bleaching of bamboo pulp	19.01.2021

21	10BB15J08004	Lohith K	CSIR-CFTRI, Mysuru	Biological Sciences	Anu Appaiah K.A.	Biotherapeutic propensity of probiotic yeasts on candidiasis	19.01.2021
22	10BB16J22001	Lavi Rani	CSIR-IITR, Lucknow	Biological Sciences	D. Kar Chowdhuri	Development of a <i>Drosophila</i> based model for studying diabetes mediated renal tubular dysfunction	19.01.2021
23	20EE13A26045	PM Jadhav	CSIR-NCL, Pune	Engineeri ng Sciences	Amol Kulkarni	Reactor design and process intensification of energetic materials	19.01.2021
24	10CC14J39016	Chinnadurai M.	CSIR-NIIST, Thiruvanan thapuram	Chemical Sciences	Vijayakumar C.	Hybrid perovskite nanocrystals: Synthesis, optoelectronic properties and applications	19.01.2021
25	10MM14J30004	Anurag Kanaujia	CSIR- NISTADS, New Delhi	Mathemat ical & Informati on Sciences	Sujit Bhattacharya	Innovation, regulation and governance: Study of genetically modified (GM) crops in India	21.01.2021
26	20EE16A32033	Saurabh Pathak	CSIR-NPL, New Delhi	Engineeri ng Sciences	Rajendra Prasad Pant	Optimization of magneto-viscoelasticity of magnetic fluids and development of its applications in thermal and mechanical systems	21.01.2021
27	10BB14J16015	Anupam Singh	CSIR- CSMCRI, Bhavnagar	Biological Sciences	Mangal Singh Rathore	Cloning and characterization of novel salt responsive genes, SbRPC5 and SbCPN10 like, from Salicornia brachiata	21.01.2021
28	10BB14A02016	Gauri	CSIR-IGIB, New delhi	Biological Sciences	Sridhar Sivasubhu	DNA copy number variations and type 2 diabetes in Indians	21.01.2021
29	10CC15J18052	Bangalore Pavan Kumar	CSIR-IICT, Hyderabad	Chemical Sciences	K. Srinivas	Semi-synthetic derivatives of usnic acid as potential antimicrobial agents	30.01.2021
30	10CC17J18033	Appala Naidu. E	CSIR-IICT, Hyderabad	Chemical Sciences	B.V. Subba Reddy	Design and synthesis of dithienopyrrole and benzodithiophene based novel organic materials for organic solar cells applications	30.01.2021
31	10CC15J26008	Dnyanesh Vernekar	CSIR-NCL, Pune	Chemical Sciences	Chandrashe khar V. Rode	Reactivity of metal oxyhydroxides for organic tandem conversions	30.01.2021
32	10CC13A26024	Rajan Pandya	CSIR-NCL, Pune	Chemical Sciences	C.V. Rode	Chemo catalytic pathways for value addition of bioglycerol	30.01.2021
33	10BB13J26034	Saleem Dar	CSIR-NCL, Pune	Biological Sciences	Ashok P. Giri	Understanding the comparative flavor differentiation in natural mango (Mangifera indica L.) populations and alphonso (cv.)	30.01.2021

34	10BB14A26036	Parag Maru	CSIR-NCL,	Biological	Dhanasekar	Decoding the GET pathway components and tail-	30.01.2021
			Pune	Sciences	an Shanmugam	anchoring of proteins in Toxoplasma gondii	
35	10PP15J24002	Rajaguru	CSIR-NAL, Bangalore	Physical Sciences	L. Rangaraj	Study on reactive densification of Zr-C and Zr-C-B ultra-high temperature ceramics at moderate pressure and temperature	30.01.2021
36	10BB14A26037	Kushal Gohill	CSIR-NCL, Pune	Biological Sciences	Mahesh Dharne	Genetic and genomic diversity, adaptation mechanisms and resistomic aspects of human-associated microorganisms	30.01.2021
37	10BB14A02029	Sarita Mishra	CSIR-IGIB, New delhi	Biological Sciences	Munia Ganguli	Delivery of glycosaminoglycans to skin using topical route and its applications	30.01.2021
38	10BB15A02030	Shalu Sharma	CSIR-IGIB, New delhi	Biological Sciences	Shantanu Chowdhury	Telomere repeat binding factor 2 (TRF2) mediated transcriptional regulation of human telomerase (hTERT-human telomerase reverse transcriptase)	30.01.2021
39	10CC15A16007	Krishnadipti Singha	CSIR- CSMCRI, Bhavnagar	Chemical Sciences	Asit Baran Panda	Development of efficient heterogeneous photocatalysts for organic redox reactions	30.01.2021
40	10CC15A26033	Pranav K.G.	CSIR-NCL, Pune	Chemical Sciences	Sreekumar Kurungot	Development of three-dimensional carbon morphologies and their surface modification for electrochemical energy applications	30.01.2021
41	10CC15J26015	Siddharth Deepake	CSIR-NCL, Pune	Chemical Sciences	Utpal Das	β, y- butenolides in dual role: As vinylogous nucleophile for michael initiated synthesis of indanol derivatives and as organocatalyst for the α-CH2 oxygenation of cyclic amines/ethers	30.01.2021
42	10CC15A18021	Babar Dattatraya Abhiman	CSIR-IICT, Hyderabad	Chemical Sciences	Haridas B. Rode	Transition metal (Pd, Co & Cu) catalyzed synthesis of 3-aryl imidazo[1,2-a]pyridine using direct and decarboxylative arylation	30.01.2021
43	10BB14A26042	Debjyoti Boral	CSIR-NCL, Pune	Biological Sciences	V. Koteswara Rao	A detailed structural study of microbial membrane- intrinsic prenyltransferase and acyltransferase belonging to two dynamic superfamilies	30.01.2021
44	10BB14A26044	Nirbhik Acharya	CSIR-NCL, Pune	Biological Sciences	Santosh Kumar Jha	Characterization of the nature and role of the dry molten globule-like intermediate states during protein folding and misfolding reactions	30.01.2021
45	10BB12A26065	Amol Kasodekar	CSIR-NCL, Pune	Biological Sciences	Narendra Kadoo	The differential response of congeneric evergreen and deciduous tree species to annual climate cycle	01.02.2023
46	10CC16A18032	Prathap Challa	CSIR-IICT, Hyderabad	Chemical Sciences	B. David Raju	Catalytic industrial chemical transformations by the Aid of CO2	03.02.2021
47	20EE14A35002	Surendra Kumar	CSIR- AMPRI, Bhopal	Engineeri ng Sciences	S.K. Panthi	Failure analysis of AA 5052 alloy in stretch flanging process by FE simulation and experimental validation	04.02.2023

48	20EE15A35002	Bishnu Nand Yadav	CSIR- AMPRI, Bhopal	Engineeri ng Sciences	D.P. Mondal	Microstructure and compressive deformation behavior of Aluminium-Alloy Sic-MWCNTs hybrid composite foam prepared through stir casting technique	04.02.2021
49	10PP13A45001	Shimna K	CSIR-4PI, Bangalore	Physical Sciences	M.S.M. Vijayan	Detection and characterisation of ionospheric perturbations induced by tsunami, strike-slip and thrust earthquakes	04.02.2021
50	10CC17A16003	Ananta Dey	CSIR- CSMCRI, Bhavnagar	Chemical Sciences	Amitava Das	Role of noncovalent interactions in proton coupled electron transfer (PCET) and designing supramolecular assemblies	12.02.2021
51	10CC14A05003	S. Karuppusam Y	CSIR-CECRI, Karaikudi	Chemical Sciences	M. Anbu Kulandainat han	Functionalization strategies to restructure the cellulose surface for versatile applications	12.02.2021
52	10CC15J26009	Dheerendra Singh	CSIR-NCL, Pune	Chemical Sciences	Paresh L. Dhepe	Investigation on the valorization of lignin: Base catalyzed lignin depolymerization to aromatic monomers and their further functionalization and defunctionalization using heterogeneous catalysts	12.02.2021
53	10CC15A04009	Nagode Savita Babasaheb	CSIR-CDRI, Lucknow	Chemical Sciences	Namrata Rastogi	Visible -Light -Photoredox catalyzed synthesis of privileged heterocycles/carbocycles	12.02.2021
54	10CC17J26021	Aswathy T. V.	CSIR-NCL, Pune	Chemical Sciences	T. Raja	Metal oxide based catalysts for the gas phase dehydrogenation of representative saturated and unsaturated C4 hydrocarbons	12.02.2021
55	20EE14A32032	Nithya Christopher	CSIR-NPL, New Delhi	Engineeri ng Sciences	Nidhi Singh	Synthesis, characterization and property evaluation of rare earth free permanent magnet materials	12.02.2021
56	10BB14J37007	Smriti Sharma	CSIR-IIIM, Jammu	Biological Sciences	Inshad Ali Khan	Identification of small molecule inhibitors against latent tuberculosis	22.02.2021
57	10BB15J22001	Abik Nandi	CSIR-IITR, Lucknow	Biological Sciences	D Kar Chowdhuri	Studies on cadmium mediated adversities on male germline stem cells homeostasis using <i>Drosophila melanogaster</i> as an in vivo model	22.02.2021
58	32EE14A31001	Aarti Kumari	CSIR-NML, Jamshedpu r	Engineeri ng Sciences	S.K. Sahu	Hydrometallurgical processing of spent NdFeB magnet for recovery of rare earths	22.02.2021
59	10BB14A02017	Atish Prabhakar Gheware	CSIR-IGIB, New delhi	Biological Sciences	Bhavana Prasher	Exploring the molecular mechanism of dosha's perturbation in a diseased state: An ayurgenomics approach	22.02.2021
60	10BB15A18036	Ajay Anand	CSIR-IICT, Hyderabad	Biological Sciences	Ashok Kumar Tiwari	Studies of antidysglycemic activities of traditional plant based food and their phytometabolomic analysis	22.02.2021

61	10BB13A61004	Pragya Rai	PHFI-IIPH, New Delhi	Biological Sciences	Sutapa B Neogi	Study of indigenous preparations used for gender selection during pregnancy: Evaluation of harmful effects	22.02.2021
62	10CC16A10009	Ankita Srivastava	CSIR- CIMAP, Lucknow	Chemical Sciences	Arvind Singh Negi	Development of podophyllotoxin congeners as cancer chemotherapeutics through fragment based drug discovery approach	22.02.2021
63	10CC15A39001	Sharathna P.	CSIR-NIIST, Thiruvanan thapuram	Chemical Sciences	K.V. Radhakrishnan	Bioprospecting of some selected medicinal plants from Western Ghats of Kerala	22.02.2021
64	10CC16A16004	Krishna Velgula	CSIR- CSMCRI, Bhavnagar	Chemical Sciences	Bishwajit Ganguly	Design and development of terpyridine based hybrid materials for bio-sensing and therapeutic applications	22.02.2021
65	50BB15A08009	Vinayak Uppin	CSIR-CFTRI, Mysuru	Biological Sciences	Ramaprasad TR	Omega-3 fatty acids and zerumbone in modulation of dyslipidemia induced brain inflammation and cognitive impairment	22.02.2021
66	10BB12A26072	Tejas Chirmade	CSIR-NCL, Pune	Biological Sciences	Narendra Kadoo	Molecular insights into high alpha-linolenic acid accumulation in <i>Linum usitatissimum</i>	22.02.2021
67	10BB14A26035	Monika Mathur	CSIR-NCL, Pune	Biological Sciences	Narendra Kadoo	Exploring plant-pathogen interaction in chickpea during fusarium wilt	22.02.2021

Associate Director, Academic

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