


वैज्ञानिक और नवीकृत अनुसंधान अकादमी
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

एसोएसआईआर, सीएसआईआर-एचआरडीसी परिसर, सेक्टर - 19,
कमला नेहरू नगर, गाज़ियाबाद - 201002, उ.प्र., भारत

No. AcSIR/7/10(1)-2022

Dated: July 13, 2022

NOTIFICATION

It is notified for all concerned that, the Chairman, Senate, Academy of Scientific and Innovative Research (AcSIR) dated 13.07.2022, has approved the notification for award of the Ph.D degree of the following students in the months May to June 2022.

Sl. No	Registration Number	Name	AcSIR Academic Centre	Faculty / Broad Subjects	Supervisor	Thesis Title	Date of Award of Ph.D Degree
1	10CC15J18055	Raju Doddipalla	CSIR-IICT, Hyderabad	Chemical Sciences	Mohana Krishna Reddy Mudiam	NMR based metabolomics for the evaluation of metabolic perturbations in food and model organisms due to storage/xenobiotics exposure for food safety and toxicological applications	02.05.2022
2	10CC17J18019	Wakade Sandip Balasaheb	CSIR-IICT, Hyderabad	Chemical Sciences	Pravin R. Likhar	New methodologies for the synthesis of biologically important substituted quinolines	02.05.2022
3	10CC17J26047	Megha Dinkar Deokar	CSIR-NCL, Pune	Chemical Sciences	Bajjayantimala Garnaik	Controlled synthesis of polymers and copolymers derived from lactic acid-structure, property and functions	05.05.2022
4	10CC18A12016	Subhasis Shit	CSIR-CMERI, Durgapur	Chemical Sciences	Tapas Kuila	Development of noble-metal-free efficient bifunctional electrocatalysts for overall water splitting in alkaline medium	05.05.2022
5	10CC17J18023	Vadhya Raju	CSIR-IICT, Hyderabad	Chemical Sciences	J. Vatsala Rani	Development of polythiophene-based composites for application in rechargeable aluminium and magnesium batteries	05.05.2022
6	10CC15A26027	Shrikant B. Nikam	CSIR-NCL, Pune	Chemical Sciences	Asha S K	Synthesis of various classes of chiral polymers and their application in enantioselective separation	05.05.2022
7	10CC17A18010	Nagam Satish	CSIR-IICT, Hyderabad	Chemical Sciences	G. Sudhakar	Synthesis of indenyl alcohols, indeno[de]isochromenes from arylvinyl epoxides, and azirine containing compounds exhibiting anti-angiogenesis activity	05.05.2022

8	10CC15A05009	M. Nagalakshmi	CSIR-CECRI, Karaikudi	Chemical Sciences	N. Kalaiselvi	Next generation electrode materials for energy storage applications	05.05.2022
9	10BB15J08007	Vinayak Hegde	CSIR-CFTRI, Mysuru	Biological Sciences	Nandini C D	Rational design of antibacterial molecules by targeting Rel proteins of food borne pathogens	05.05.2022
10	10BB15A39018	Susmitha. A	CSIR-NIIST, Thiruvananthapuram	Biological Sciences	K. Madhavan Nampoothiri	Molecular identification and insights into the structural functional characterization of Sortase E transpeptidase of <i>Corynebacterium glutamicum</i>	05.05.2022
11	30EE15A06012	Varun	CSIR-CEERI, Pilani	Engineering Sciences	Udit Narayan Pal	Studies on pseudospark discharge based electron beam source for the generation of extreme ultraviolet (EUV) and soft X-ray radiations	05.05.2022
12	10BB17J37005	Divya Gupta	CSIR-IIIM, Jammu	Biological Sciences	Sheikh Tasduq Abdullah	Discovery and mechanistic studies of plant based products as photo-protective agents against experimental skin photodamage.	08.05.2022
13	20EE16A32036	Rahul Kumar	CSIR-NPL, New Delhi	Engineering Sciences	Sanjay Yadav	Design, development and analysis of wireless pressure measuring devices	08.05.2022
14	20EE15J15008	Vipan Kumar	CSIR-CSIO, Chandigarh	Engineering Sciences	Vinod Karar	Thermal and electromagnetic interference analysis of electronic systems using ferrofluid based cooling	08.05.2022
15	10CC16A26017	Shinde Mahesh Harishchandra	CSIR-NCL, Pune	Chemical Sciences	Chepuri Venkata Ramana	Gold-catalysed cycloisomerization of alkynols: Studies toward the total synthesis of mersicarpine and C35–C53 fragment of symbiospirols A/B/C	08.05.2022
16	20EE14A26055	Muzzamil Khan Yusuf	CSIR-NCL, Pune	Engineering Sciences	Sunil Joshi	Gas-liquid-liquid-solid hydrogenation systems	08.05.2022
17	10BB15A22011	Shweta Devi	CSIR-IITR, Lucknow	Biological Sciences	Smriti Priya	Study of cellular stress response induced by pesticide-protein interactions	10.05.2022
18	10BB14A08016	Aishwarya Jaiswal	CSIR-CFTRI, Mysuru	Biological Sciences	Jyothi Lakshmi A	Enhancing the bioavailability of micronutrients in complementary foods through technological intervention	10.05.2022
19	10PP16A28008	Pooja Yadav	CSIR-NGRI, Hyderabad	Physical Sciences	Srinivasa Sarma D	Geochronology and geochemistry of Paleoproterozoic mafic dykes from the Western Dharwar Craton, India	10.05.2022
20	10BB15A04002	Archana Devi	CSIR-CDRI, Lucknow	Biological Sciences	Gopal Gupta	Cell signaling events governing survival and quiescence of sperm in cauda epididymis and initiation of motility at ejaculation	10.05.2022

21	20EE14A24001	Vijaya Kumar M P	CSIR-NAL, Bangalore	Engineering Sciences	S Raja	Studies on multifunctional conductive composites for morphing UAV wing	11.05.2022
22	10CC16A26013	Ruchi Dixit	CSIR-NCL, Pune	Chemical Sciences	Kumar Vanka	Understanding nucleophilic attack chemistry in main group compounds with density functional theory	24.05.2022
23	10BB15A22006	Jagriti Shukla	CSIR-IITR, Lucknow	Biological Sciences	Manoj Kumar	A study on the role of endophytic fungus <i>Serendipita indica</i> in tolerance and mobilization of arsenic in host plant	24.05.2022
24	10BB14J18075	Ravichandra Korasapati	CSIR-IICT, Hyderabad	Biological Sciences	Prakasham Reddy Shetty	Enzymatic production of xylooligosaccharides (XOS) from sorghum biomass using xylanase complex from <i>Aspergillus fumigatus</i> RSP-8 (MTCC 12039) and evaluation of their prebiotic potential	24.05.2022
25	10BB16J37004	VILLAYAT ALI	CSIR-IIIM, Jammu	Biological Sciences	Dhiraj Kumar Vyas	Biochemical and molecular studies to understand glucosinolate metabolism in <i>Lepidium latifolium</i> L.	24.05.2022
26	10BB17J37012	Sumit Singh	CSIR-IIIM, Jammu	Biological Sciences	Bikarma Singh	Floristic inventory through eco-taxonomy and ethnobotanical studies of Bani Valley and Sarthal Hill of district Kathua (Jammu & Kashmir)	24.05.2022
27	10BB15A02036	Swati Sharma	CSIR-IGIB, New Delhi	Biological Sciences	Naveen Arora	Functional aspects of <i>Periplaneta americana</i> allergen	24.05.2022
28	10BB14J20001	Tina Sharma	CSIR- IMTECH, Chandigarh	Biological Sciences	Anshu Bhardwaj	Insights into drug resistance mechanisms of <i>Acinetobacter baumannii</i> through data driven genomics and systems biology approaches	24.05.2022
29	10CC17J18035	Madhu Desagoni	CSIR-IICT, Hyderabad	Chemical Sciences	Vatsala Rani Jetti	Studies directed towards novel quinolone heterocycles of biological interest	24.05.2022
30	10CC17J16001	Rosy Alphons Sequeira	CSIR- CSMCRI, Bhavnagar	Chemical Sciences	Kamalesh Prasad	Evaluation of various neoteric solvents for dissolution, separation and functionalization of biomolecules	24.05.2022
31	10CC17J39003	Arya J. S	CSIR-NIIST, Thiruvananthapuram	Chemical Sciences	Kaustabh Kumar Maiti	Exploring the chemotherapeutic potential of semi-synthetically derived new phytochemical entities and nano delivery system	24.05.2022
32	20EE18A43005	Shailendra Kumar Singh	CSIR-CIMFR, Dhanbad	Engineering Sciences	K K K Singh	As assessment and characterization of dust in and around Jharia coalfields region, Jharkhand, India with emphasis on control measures	24.05.2022

33	20EE17J24001	Niranjan K	CSIR-NAL, Bangalore	Engineering Sciences	Harish C. Barshilia	Design and fabrication of WAISin based spectrally selective solar absorber coating for high temperature solar thermal applications	24.05.2022
34	10BB16A04013	Sanchita Gupta	CSIR-CDRI, Lucknow	Biological Sciences	Anil N Gaikwad	Adipocyte biology and chronic hyperinsulinemia induced insulin resistance: Deciphering functional role of mitochondrial circular RNA in hMSC derived adipocytes	24.05.2022
35	10BB17J33008	Sachin Kumar	CSIR-IHBT, Palampur	Biological Sciences	Rituraj Purohit	Improving the biophysico-chemical properties of the industrially important superoxide dismutase enzyme by in-silico and experimental approaches	24.05.2022
36	10BB16J10006	Shilpi Singh	CSIR-CIMAP, Lucknow	Biological Sciences	Suaib Luqman	Target based intervention in biochemical pathways by selected flavonoids in cancer chemoprevention	24.05.2022
37	10PP16A32018	Sandhya Jose	CSIR-NPL, New Delhi	Physical Sciences	Sachchidanand Singh	Study of aerosol cloud radiation interactions using satellite and ground based observations	24.05.2022
38	10BB17J37014	Pankaj Kumar	CSIR-IIIM, Jammu	Biological Sciences	Sumeet Gairola	Botanical and molecular standardization of high-value raw plant drugs from Western Himalaya	24.05.2022
39	10BB15J20001	Rakesh Kumar	CSIR- IMTECH, Chandigarh	Biological Sciences	Anshu Bhardwaj	A binary fingerprint based technology platform for genotype-phenotype association towards personalized medicine	24.05.2022
40	10PP15J24003	Adhila T K	CSIR-NAL, Bangalore	Physical Sciences	Harish C. Barshilia	Growth mechanism and optical properties of the slanted, kinked and straight silicon nanowires	24.05.2022
41	10BB15A22013	Snigdha Gupta	CSIR-IITR, Lucknow	Biological Sciences	Ravi Ram Kristipati	Drosophila based studies on the role of Estrogen related receptor in male fertility and di-butyl phthalate mediated male reproductive toxicity	08.06.2022
42	10CC16A33019	Amita Kumari	CSIR-IHBT, Palampur	Chemical Sciences	Sushil Kumar Maurya	Phytochemical studies and value addition of tea (<i>Camellia sinensis</i> (L.) O. Kuntze)	08.06.2022
43	10CC16A26027	Md Nirshad Alam	CSIR-NCL, Pune	Chemical Sciences	Dr. Sudip Maity	Removable functional group strategy for Regio- and stereoselective molecular rearrangement and related reactions	08.06.2022
44	10BB14A16022	Kubavat Denishkumar Manhardas	CSIR- CSMCRI, Bhavnagar	Biological Sciences	Arup Ghosh	Response of maize to chitosan derived nano-particle based fertilizer formulation and its effect on soil parameters	08.06.2022
45	10PP15A27001	Jadhav Asmita Sumersinh	CSIR-NEERI, Nagpur	Physical Sciences	Nitin Kumar Labhassetwar	Development of low cost adsorbents for removal of selenium from drinking water	08.06.2022

46	20EE18A18046	Arelli Vijaya Lakshmi	CSIR-IICT, Hyderabad	Engineering Sciences	Gangagni Rao Anupaju	Solid state anaerobic digestion of organic waste: An improved approach to obtain high quality biogas and biomanure	08.06.2022
47	10BB16A37003	Ashish Dogra	CSIR-IIIM, Jammu	Biological Sciences	Utpal Nandi	Exploring the role of plant-based natural products on pharmacokinetic modulation of drugs for augmented efficacy & better tolerability	08.06.2022
48	10BC14J25009	Shobha Singh	CSIR-NBRI, Lucknow	Chemical Sciences	Manjoosha Srivastava	Phytochemical investigation of Sesbania seed with emphasis on modification of its gum	08.06.2022
49	10CC16A18027	Nemilikonda Sravan Kumar	CSIR-IICT, Hyderabad	Chemical Sciences	Subhash Ghosh	Studies towards the syntheses of Bastimolide A, Maltepolide E and Colletotrichamide A	08.06.2022
50	10CC15A39008	Arunkumar T.	CSIR-NIIST, Thiruvananthapuram	Chemical Sciences	Ravi Shankar L.	Design and synthesis of novel iminosugar analogues of biological relevance	08.06.2022
51	10CC15A26046	Suman Devi	CSIR-NCL, Pune	Chemical Sciences	M. Niraj Luwang	Luminescent nanomaterials and their applications	08.06.2022
52	10CC17A26007	Jayesh Shimpi	CSIR-NCL, Pune	Chemical Sciences	Bhagavatula L.V. Prasad	Understanding the digestive ripening process through metal, metal alloys nanocrystal preparation and their applications	08.06.2022
53	20EE14A31003	Dilip Makhija	CSIR-NML, Jamshedpur	Engineering Sciences	R.K. Rath	Physical and Pyro-metallurgical studies on LD slag for recovery of iron minerals with acceptable phosphorus	08.06.2022
54	20EE16A12001	Debeshi Dutta	CSIR-CMERI, Durgapur	Engineering Sciences	Soumen Sen	Assessment of grasp ability of stroke survivors: a machine learning based approach	08.06.2022
55	10BB14A02034	Stanzin Dawa	CSIR-IGIB, New Delhi	Biological Sciences	Sheetal Gandotra	Role of granuloma triglycerides in Mycobacterium tuberculosis infection	08.06.2022
56	10BB15A02011	Devesh Kesharwani	CSIR-IGIB, New Delhi	Biological Sciences	Malabika Datta	Regulation of the epigenetic modifiers, DNA methyltransferase (DNMT) by microRNAs in the skeletal muscle during diabetes	08.06.2022
57	10BB15A02010	Bharti Arora	CSIR-IGIB, New Delhi	Biological Sciences	Naveen Arora	Immunobiochemical studies on tree pollen allergen of <i>Prosopis juliflora</i>	08.06.2022
58	10BB15A02018	Mohd. Azhar	CSIR-IGIB, New Delhi	Biological Sciences	Souvik Maiti	CRISPR based approach for detection and genome editing of sickle cell disease in patient derived pluripotent stem cells	08.06.2022

59	10BB16A02018	Shivangi	CSIR-IGIB, New Delhi	Biological Sciences	Laxman Singh Meena	To study the essentiality and functionality of GTP/ATP binding protein in survival and pathogenesis of <i>Mycobacterium tuberculosis</i> H37Rv	08.06.2022
60	10BB16A25005	Nikita Dhauni	CSIR-NBRI, Lucknow	Biological Sciences	Puneet Singh Chauhan	Plant growth-promoting rhizobacteria mediated nutrient stress management in <i>Oryza sativa</i> L.	08.06.2022
61	10CC15A05004	Balamurugan T	CSIR-CECRI, Karaikudi	Chemical Sciences	V. Ganesh	Development of graphitic carbon, iron oxide based materials for bilirubin, hydrogen peroxide & cholesterol sensing and self-powered device for glucose biosensor	08.06.2022
62	10CC18A37025	Jaspreet Kour	CSIR-IIIM, Jammu	Chemical Sciences	Sanghapal D Sawant	Design and synthesis of functional bis-heterocycles	08.06.2022
63	10CC16A12005	Nivedita Priyadarshni	CSIR-CMERI, Durgapur	Chemical Sciences	Nripen Chanda	Synthesis and characterization of functionalized metallic nanoparticles for the detection and removal of toxic ions	08.06.2022
64	10BB16A04018	Sumit Kumar Singh	CSIR-CDRI, Lucknow	Biological Sciences	D.K. Mishra	Study on climatic variations of carbazole alkaloids in <i>Murraya koenigii</i> and enrichment of their concentration through biotic and abiotic stress	08.06.2022
65	10BB18J10007	Abhilasha Srivastava	CSIR-CIMAP, Lucknow	Biological Sciences	Anil Kumar Gupta	Genetic diversity and inheritance pattern of yield and yield related traits in <i>Papaver somniferum</i> L.	16.06.2022
66	10CC16A18052	Afzal Siddiqui	CSIR-IICT, Hyderabad	Chemical Sciences	Surya Prakash Singh	Design and synthesis of functional π -conjugated small molecules based on indacenodithiophene, spiro-xanthene and perylene diimide core for photonic application	16.06.2022
67	10CC15A11001	A. VIJAYA GOWRI	CSIR-CLRI, Chennai	Chemical Sciences	Debasis Samanta	Conjugates of polymers for controlling hydrophobicity	16.06.2022
68	10PP15A32001	Amit Kumar	CSIR-NPL, New Delhi	Physical Sciences	Rajiv Kumar Singh	Defect states investigation at the interface and in the bulk of the organic and perovskite solar cells	30.06.2022
69	10PP18A28009	Sai Kiran B	CSIR-NGRI, Hyderabad	Physical Sciences	P.S.R. Prasad	Gas hydrates for capture, storage and transportation of greenhouse gases	30.06.2022
70	10PP16J32001	Suman Kumari	CSIR-NPL, New Delhi	Physical Sciences	H K Singh	Growth and characterization of superconductor-ferromagnetic multilayers	30.06.2022

71	10BB17J26054	Rawat Jyoti Triloksingh	CSIR-NCL, Pune	Biological Sciences	Mugdha Gadgil	Towards improving cell culture processes for biotherapeutic production: novel tools and strategies	30.06.2022
72	10CC16A12004	Suparna Paul	CSIR-CMERI, Durgapur	Chemical Sciences	Priyabrata Banerjee	Development of sensory probes for expeditious chromo-fluorogenic detection of heavy, toxic cationic contaminants and lethal anions: Detailed Characterization and Application	30.06.2022
73	20EE16A06006	Santosh Kumar Yadav	CSIR-CEERI, Pilani	Engineering Sciences	S. A. Akbar	Unobtrusive multimodal human activity recognition	30.06.2022
74	10BB15J02009	Yasmeen Kauser	CSIR-IGIB, New Delhi	Biological Sciences	Vinod Scaria	Elucidating role of novel long non-coding RNA TMEM246-AS1 associated with triglycerides	30.06.2022
75	10BB14A08017	Yogita Bhatt	CSIR-CFTRI, Mysuru	Biological Sciences	Jyothi Lakshmi A	Formulation of cereal-based breakfast mixes with modulated starch digestibility for regulation of hyperglycaemia	30.06.2022
76	10BB15A22002	Aparna Singh Kushwaha	CSIR-IITR, Lucknow	Biological Sciences	Manoj Kumar	A study on the role of endophytic fungus <i>Serendipita indica</i> in phosphorus solubilization and its utilization under arsenic stress	30.06.2022
77	10BB16J08009	Amrita Ray	CSIR-CFTRI, Mysuru	Biological Sciences	Alok K Srivastava	Fractionation of quinoa (<i>Chenopodium quinoa</i>) using roller milling for their nutritional utilization in food product development	30.06.2022
78	10BB17A38016	Johni Debbarma	CSIR-NEIST, Jorhat	Biological Sciences	Channakeshavaiah Chikkaputtaiah	Expression analysis, cell biology and CRISPR/Cas9 genome editing of XSP10 and SISAMT genes for fusarium wilt disease tolerance in <i>Solanum lycopersicum</i> L.	30.06.2022
79	10BB15A02002	Aanchal Gupta	CSIR-IGIB, New Delhi	Biological Sciences	Munia Ganguli	Exploring the role of antifreeze agents as therapeutics for cold induced injuries	30.06.2022
80	10BB15J02005	Prabhakar A	CSIR-IGIB, New Delhi	Biological Sciences	Vivek Rao	Understanding the role of CMPK2 in macrophage homeostasis	30.06.2022
81	20EE16A32040	Nikita Vashistha	CSIR-NPL, New Delhi	Engineering Sciences	Rajiv Kumar Singh	Study of plasmonics and meta-materials for optoelectronic devices	30.06.2022
82	10CC15A43002	RANJEET KUMAR SINGH	CSIR-CIMFR, Dhanbad	Chemical Sciences	Aditya Rana	Feasibility study for preparation of bricks using mine waste	30.06.2022
83	20EE16A35001	Dilip Muchhala	CSIR-AMPRI, Bhopal	Engineering Sciences	D. P. Mondal	Studies on deformation response of LM-13-cenosphere-CNTs hybrid foams	30.06.2022

84	10BB16A18063	Saikiran Reddy	CSIR-IICT, Hyderabad	Biological Sciences	Nishant Jain	Role of metabolic enzymes IDH1 and IDH2 in mitosis	30.06.2022
85	10BB18A02003	Monu	CSIR-IGIB, New Delhi	Biological Sciences	Sagarika Biswas	Identification of disease-associated specific protein to understand RA pathogenesis and diagnosis development	30.06.2022
86	10BB15J38011	Snigdha Saikia	CSIR-NEIST, Jorhat	Biological Sciences	Dipanwita Banik	Studies on selected angiospermic plants of Assam and their activity against a few pathogenic microorganisms	30.06.2022
87	10BB17A27015	Varsha Jha	CSIR-NEERI, Nagpur	Biological Sciences	Nishant Arunrao Dafale	Phosphate level dependent colonization and performance of microbial community	30.06.2022
88	10PP15A27004	Nair Aparna Madhusudan	CSIR-NEERI, Nagpur	Physical Sciences	Krishna Khairnar	Bacteriophage based biocontrol of multi-drug resistant <i>Enterobacter cloacae</i>	30.06.2022
89	10PP16A32005	Shital Chauhan	CSIR-NPL, New Delhi	Physical Sciences	H. K. Singh	Growth, structure, and magneto-transport in oxide FM/AFM superlattices/heterostructures	30.06.2022
90	10BB15A18055	Rajesh Kona	CSIR-IICT, Hyderabad	Biological Sciences	S Venkata Mohan	Gene expression analysis, process optimization and CRISPR-Cas9 genome engineering using isolated photosynthetic organisms for nutraceuticals production	30.06.2022



Associate Director, Academic

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