

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

Dated: September 07, 2021

NOTIFICATION

It is notified for all concerned that, the Chairman, Senate, Academy of Scientific and Innovative Research (AcSIR) dated 07.09.2021, has approved the notification for award of the Ph.D degree of the following students in the months July to August 2021.

Sl. No	Registration Number	Name	AcSIR Academic Centre	Faculty / Broad Subjects	Supervisor	Thesis Title	Date of Award of Ph.D Degree
1	10BB15J02007	Sonam Nain	CSIR-IGIB, New Delhi	Biological Sciences	Rakesh Sharma	Oxidative stress tolerant genes: Their repertoire and functions in different ecological niches	07.07.2021
2	20EE17J12001	Mousumi Khanra	CSIR-CMERI, Durgapur	Engineering Sciences	Arup Kumar Nandi	Optimal driving based trip planning of electric vehicles using evolutionary algorithms: A driver assistance system	07.07.2021
3	10BB15J18054	Galande Sneha Harishchandra	CSIR-IICT, Hyderabad	Biological Sciences	R.S. Prakasham	Engineering, expression, purification and characterization of recombinant L-asparaginase from <i>Bacillus subtilis</i>	07.07.2021
4	10BB17A18047	Anamika Singh Gaur	CSIR-IICT, Hyderabad	Biological Sciences	G. Narahari Sastry	Molecular property diagnostic suite (MPDS): Towards development of disease-specific web portals	07.07.2021
5	10CC17A18016	Jattuboyina Siva Krishna	CSIR-IICT, Hyderabad	Chemical Sciences	B. Venkateswara Rao	Synthesis, biological evaluation of triazole derivatives and stereo selective synthesis of some polyhydroxy iminosugars and Polyvalent iodine mediated α -acyloxylation of β -keto esters	07.07.2021
6	10CC17J18032	Sivahari Prasad Kurma	CSIR-IICT, Hyderabad	Chemical Sciences	B. China Raju	Synthesis of coumarin heterocycles and evaluation of their biological activities	07.07.2021
7	10CC15J26003	Deshpande Ashwini Anil	CSIR-NCL, Pune	Chemical Sciences	P.P. Wadgaonkar	Apolar oligomers: Synthesis and their self-association through physical / 3D interactions	07.07.2021

8	10PP15J15001	Rajiv Dubey	CSIR-CSIO, Chandigarh	Physical Sciences	Raj Kumar	Investigations on holographic shearing interferometry for applications in optical metrology	07.07.2021
9	10BB14A22003	Saumya Mishra	CSIR-IITR, Lucknow	Biological Sciences	M.P. Singh	A study on the crosstalk between microglial activation and dopaminergic neurodegeneration in the cellular model of cypermethrin-induced Parkinsonism	07.07.2021
10	10BB14A03005	Dhiviya V	CSIR-CCMB, Hyderabad	Biological Sciences	Krishnan H Harshan	Investigating the role of epithelial mesenchymal transition (EMT) in human viral infections	07.07.2021
11	20EE14J36014	Sangeeta Bagha	CSIR-IMMT, Bhubaneswar	Engineering Sciences	Debi Prasad Das	Development of algorithms for active control of narrowband noise	07.07.2021
12	10BB15A18041	Dinesh Kumar	CSIR-IICT, Hyderabad	Biological Sciences	T. Anjana Devi	Understanding the role of fluorinated thiazolidinol in inducing autophagic cell death in pancreatic cancer	07.07.2021
13	10CC16A32025	Preeti Yadav	CSIR-NPL, New Delhi	Chemical Sciences	Asit Patra	Studies on poly(3,4-ethylenedioxy-selenophene) and its derivatives for organic solar cell applications	08.07.2021
14	20EE16J15008	Bir Bahadur Sherpa	CSIR-CSIO, Chandigarh	Engineering Sciences	Sachin Tyagi	To study and develop low VoD explosive welding process for joining aluminium and steel	16.07.2021
15	10BB14J33003	Nisha Dhiman	CSIR-IHBT, Palampur	Biological Sciences	Amit Bhattacharya	Studies on development of in vitro systems and de novo transcriptome analysis for secondary metabolite pathway elucidation in <i>Nardostachys jatamansi</i> (D.Don) DC.- A critically endangered medicinal herb of Himalayas	16.07.2021
16	50BB15A08001	Anitha R E	CSIR-CFTRI, Mysuru	Biological Sciences	V. Baskaran	Lactucaxanthin mediated modulation of oxidative stress & retinal angiogenesis in hyperglycemia induced ARPE-19 cell line and rat models	16.07.2021
17	20EE17J15004	Mayank Garg	CSIR-CSIO, Chandigarh	Engineering Sciences	Suman Singh	Synthesis and characterization of 2-D layered material derived nanostructures for sensing of oxidative stress markers	16.07.2021
18	50BB13A61001	Navya Mishra	PHFI-IIPH, New Delhi	Biological Sciences	Tanica Lyngdoh	Factors affecting early adult lung function	16.07.2021
19	20EE15A35007	Amit Abhash	CSIR-AMPRI, Bhopal	Engineering Sciences	D P Mondal	Open cell titanium alloy foam for bone implant using space holder technique	16.07.2021
20	20EE14A26058	Mrityunjay Sharma	CSIR-NCL, Pune	Engineering Sciences	Amol A. Kulkarni	Selectivity engineering of exothermic multistep reactions using flow reactors	16.07.2021

21	10BB17A19013	Tripti Sharma	CSIR-IIP, Dehradun	Biological Sciences	Debashish Ghosh	Production of yeast single cell oil from lignocellulosic biomass and its assessment as biofuel and oleochemicals	16.07.2021
22	10BB15A25001	Ankesh Pandey	CSIR-NBRI, Lucknow	Biological Sciences	Indraneel Sanyal	Expression of <i>Cocculus hirsutus</i> trypsin inhibitor (ChTI) in chickpea for resistance to <i>Helicoverpa armigera</i> and <i>Spodoptera litura</i>	16.07.2021
23	10CC16A18037	Sridharashan mukha Rao. B	CSIR-IICT, Hyderabad	Chemical Sciences	G. Sudhakar	Total synthesis of macroline class indole alkaloids: Macroline, alstomicine, alstofonidine, and alstofoline A	16.07.2021
24	10CC14J26017	Yogesh Nevare	CSIR-NCL, Pune	Chemical Sciences	P.P. Wadgaonkar	Synthetic approaches to aliphatic polyesters	16.07.2021
25	10BC16A18055	Anirban Ghoshal	CSIR-IICT, Hyderabad	Chemical Sciences	Ajay Kumar Srivastava	Construction of privileged heterocycles through novel isocyanide-based multicomponent reactions and their biological evaluations	16.07.2021
26	10BB13A26034	Pathak Gauri Mukund	CSIR-NCL, Pune	Biological Sciences	Narendra Kadoo	Insights into the life cycle of <i>Bipolaris sorokiniana</i> through OMICS approaches	16.07.2021
27	10CC16J32012	Braham Dutt Arya	CSIR-NPL, New Delhi	Chemical Sciences	Surinder P. Singh	Synthesis, physico-chemical characterization and biological evaluation of graphene oxide-chloroquine nanoconjugate as novel anti-cancer nanoplatform	23.07.2021
28	10CC17J10003	Ranjana Maurya	CSIR-CIMAP, Lucknow	Chemical Sciences	C S Chanotiya	Unravelling the aroma of <i>Chrysopogon zizanioides</i> and <i>Ocimum</i> species: Identification and characterization of odor-impact compounds	23.07.2021
29	10CC16J19001	Amzad Khan	CSIR-IIP, Dehradun	Chemical Sciences	Om. P. Khatri	Ionic liquids and deep eutectic solvents for enhancement of lubrication properties	23.07.2021
30	10CC16A16002	Vikrant Yadav	CSIR-CSMCRI, Bhavnagar	Chemical Sciences	Vaibhav Kulshrestha	Synthesis of conducting polymeric membranes by hydrophilic charge modification for various electro-membrane applications	23.07.2021
31	10CC16J18005	Maheshwari Tallapally	CSIR-IICT, Hyderabad	Chemical Sciences	UVR Vijaya Sarathi	Comparative studies of artificially ripened banana fruits ripened with various artificial ripeners for identification of changes in chemical composition	23.07.2021
32	10CC15J18002	C Shireesha	CSIR-IICT, Hyderabad	Chemical Sciences	UVR Vijaya Sarathi	Metabolic profiling of naturally and artificially ripened mango fruits	23.07.2021
33	10CC16J18013	Yadagiri. T	CSIR-IICT, Hyderabad	Chemical Sciences	Galla V. Karunakar	Development of new methods for the synthesis of substituted alkynes and gold-catalyzed formation of 2,5-dihydrofurans and pyrazolo[1,4]oxazepines	23.07.2021

34	10BB14A26049	Thorat Meghana Namdeo	CSIR-NCL, Pune	Biological Sciences	Syed G Dastager	Bacterial nanocellulose by Komagataeibacter strain PG2: production, characterization and potential applications	23.07.2021
35	10BB15A02035	Surbhi Sharma	CSIR-IGIB, New Delhi	Biological Sciences	Souvik Maiti	Elucidating the role of a novel circadian transcript in retina	23.07.2021
36	10BB15J37020	Masroor Ahmad Paddar	CSIR-IIIM, Jammu	Biological Sciences	Dr. Fayaz Malik	Exploring the molecular mechanism(s) of Trastuzumab resistance in HER2 positive breast cancers.	23.07.2021
37	10CC14J39020	Kanakangi S. Nair	CSIR-NIIST, Thiruvananthapuram	Chemical Sciences	Surendran K.P.	Synthesis and fabrication of flexible lead-free piezoelectric nanocomposites for energy harvesting applications	23.07.2021
38	10BB14A02021	Manoj Kumar Singh	CSIR-IGIB, New Delhi	Biological Sciences	Chetana Sachidanandan	Investigating the effects of chronic systemic inflammation on zebrafish liver	23.07.2021
39	10BB14J08018	Varkekar Namrata Jagdeo	CSIR-CFTRI, Mysuru	Biological Sciences	Ng. I. Singh	Processing of Parkia biglandulosa W. & A. for traditional food formulations of Manipur: evaluation of nutritional quality and storage stability	23.07.2021
40	10BB16A02006	Anwar Sadat	CSIR-IGIB, New Delhi	Biological Sciences	Kausik Chakraborty	Understanding the molecular mechanism of GroEL/ES assisted folding of a substrate	02.08.2021
41	10BB16A38023	Anjum Dihingia	CSIR-NEIST, Jorhat	Biological Sciences	J. Kalita	A study on the prophylactic role of vitamin K against impaired glucose metabolism and vascular inflammation in type 2 diabetes	03.08.2021
42	10BB16A38021	Joyashree Baruah	CSIR-NEIST, Jorhat	Biological Sciences	M Lal	Assessment of selection criteria for development of high yielding variety of <i>Capsicum Chinense</i> jacq.	03.08.2021
43	10CC16A38008	Abhilash Sharma	CSIR-NEIST, Jorhat	Chemical Sciences	P Gogoi	Development of transition-metal free cascade strategies for ortho-functionalization of arenes, synthesis of arylated coumarins and indoloquinazolinones via arynes	03.08.2021
44	10CC16A18003	Ashok Kumar Morri	CSIR-IICT, Hyderabad	Chemical Sciences	Subhash Ghosh	Development of metal-free syntheses of alkynes, thioamide and 1,3-diynes from 1,1-dibromoalkenes and their mechanistic investigations	03.08.2021
45	10MM15J44003	Kirti Nitin Gavaraskar	CSIR-URDIP, Pune	Mathematical & Information Sciences	Paromita Banerjee	Disclosure criteria for patents: Evolution and implications	03.08.2021
46	10BB13A08003	Theresa Shalini R M	CSIR-CFTRI, Mysuru	Biological Sciences	Asha Martin	Functional expression and characterization of wax synthase from sunflower (<i>Helianthus annuus</i>)	03.08.2021

47	10CC14A37019	Sumit Sharma	CSIR-IIIM, Jammu	Chemical Sciences	Parvinder Pal Singh	Medicinal chemistry around nitroimidazole scaffold to discover new generation anti-TB leads	03.08.2021
48	10BB14J25001	Neha Agarwal	CSIR-NBRI, Lucknow	Biological Sciences	Samir V. Sawant	Role of NPR1 in global nucleosomal remodeling in <i>Arabidopsis thaliana</i>	03.08.2021
49	10BB15J16012	Asha Kumari	CSIR-CSMCRI, Bhavnagar	Biological Sciences	Asish Kumar Paridal	Adaptation mechanisms of the halophyte <i>Salvadora persica</i> to salt and alkali stresses: Implications from ionomic, metabolomic, and proteomic responses	03.08.2021
50	10BB14A26040	Rajeshwari Rathore	CSIR-NCL, Pune	Biological Sciences	Mahesh J. Kulkarni	Elucidation of the role of glycated albumin as a potential marker in prediabetes and development of insulin resistance	03.08.2021
51	10BB15J11004	Ranjithkumar A	CSIR-CLRI, Chennai	Biological Sciences	C. Muralidharan	Production and characterization of proteases and their applications	03.08.2021
52	10BB16A17004	Samrat Ghosh	CSIR-IICB, Kolkata	Biological Sciences	Sucheta Tripathy	Analyzing big data with novel combinatorial approach	03.08.2021
53	20EE16J27002	Rajashree Hajare	CSIR-NEERI, Nagpur	Engineering Sciences	Pranav Nagarnaik	Quantification of pathogens and indicators for evaluation of human health impacts using quantitative microbial risk assessment (QMRA) approach for safe use of reclaimed water	03.08.2021
54	10CC16A39008	Ramya A. N.	CSIR-NIIST, Thiruvananthapuram	Chemical Sciences	Kaustabh Kumar Maiti	Development of molecular probes and nano-carrier delivery system for intracellular sensing and theranostic applications	03.08.2021
55	10CC15A18027	Puppala Sathish	CSIR-IICT, Hyderabad	Chemical Sciences	Ch. Raji Reddy	Development of transition metal-catalyzed annulation approaches towards the synthesis of 3,4-fused indoles	03.08.2021
56	10CC15J18025	Gorakala Uma Sankar	CSIR-IICT, Hyderabad	Chemical Sciences	Galla V. Karunakar	Design, synthesis and characterization of multi chromophoric organic small molecules for organic light emitting diodes applications	03.08.2021
57	10CC15A33011	Inder Kumar	CSIR-IHBT, Palampur	Chemical Sciences	Upendra Sharma	Development of photo-catalytic methodologies for the C-C and C-heteroatom bond formation	03.08.2021
58	10CC14A39001	Gourab Das	CSIR-NIIST, Thiruvananthapuram	Chemical Sciences	A. Ajayghosh	Self-assembly and optical properties of phenyleneethynylene and BODIPY based π -systems	03.08.2021
59	10CC15A39003	Sajena K.S	CSIR-NIIST, Thiruvananthapuram	Chemical Sciences	Joshya Joseph	DNA-interactions, self-assembly and photophysical properties of DNA three-way junction templated fluorescent silver nanoclusters and functional tetraphenylethylene derivatives	03.08.2021

60	10PP13A29003	Jovitha Lincy V. J.	CSIR-NIO, Goa	Physical Sciences	Cathrine Sumathi Manohar	A study on anammox microbes from oxygen depleted environments (ODEs) of the Indian ocean using molecular tools	03.08.2021
61	10BB14A03001	Upasana Rai	CSIR-CCMB, Hyderabad	Biological Sciences	Mandar V. Deshmukh	Structural-functional insights of DRB2 during RNA recognition in <i>A. thaliana</i>	03.08.2021
62	10BB18A33009	Maritim Kipkdech Tony	CSIR-IHBT, Palampur	Biological Sciences	R.K. Sharma	Genomic Studies for molecular dissection and genetic improvement of quality characteristics in tea (<i>Camellia sinensis</i> (L.) O. Kuntze)	03.08.2021
63	10BB14J02007	Kannan B N	CSIR-IGIB, New Delhi	Biological Sciences	Souvik Maiti	Elucidation of mitochondrial sub-compartment specific stress response during proteotoxic stress of yeast, <i>Saccharomyces cerevisiae</i>	06.08.2021
64	10PP17J32006	Vikas Narayan Thakur	CSIR-NPL, New Delhi	Physical Sciences	Ashok Kumar	Design development and analysis of the pressure standards and sensors	06.08.2021
65	10BB17A25005	Badola Poorwa Kamal	CSIR-NBRI, Lucknow	Biological Sciences	P.K. Trivedi	Molecular components involved in miR858-dependent plant growth and development	06.08.2021
66	10CC16J26001	Tamal Das	CSIR-NCL, Pune	Chemical Sciences	Kumar Vanka	Insights into messy chemistry related to cosmology and origin of life obtained by employing state-of-the-art computational methods	06.08.2021
67	10BB13A02008	Manish Kumar Yadav	CSIR-IGIB, New Delhi	Biological Sciences	Rakesh Sharma	Functional characterization and application of metagenome-derived esterases for enantioselective biotransformations	06.08.2021
68	10BB13A08006	Dileep S A	CSIR-CFTRI, Mysuru	Biological Sciences	Dandamudi Usharani	A molecular understanding of human sucrase enzyme with sugarcane sucrase inhibitor	16.08.2021
69	10BB16A25011	Radha Shivhare	CSIR-NBRI, Lucknow	Biological Sciences	Charu Lata	Transcript profiling of pearl millet (<i>Pennisetum glaucum</i> L.) under drought stress and functional characterization of a stress-responsive gene	16.08.2021
70	10BB16J26020	Piyali Ganguli	CSIR-NCL, Pune	Biological Sciences	Ram Rup Sarkar	Identification of immuno-regulatory modules and optimal treatment strategies for eliciting effector functions against different diseases	16.08.2021
71	32EE14J14005	Shahbaz Khan	CSIR-CRRI, New Delhi	Engineering Sciences	M.N. Nagabhushana	Performance evaluation of inverted pavement for low volume roads	16.08.2021
72	10CC17A26016	Debranj Mandal	CSIR-NCL, Pune	Chemical Sciences	Arup K. Rath	Role of surface passivation and doping on the development of quantum dot solar cells	16.08.2021
73	10CC16A19003	Adarsh Kumar	CSIR-IIP, Dehradun	Chemical Sciences	Thallada Bhaskar	Reductive catalytic transformation of lignin and lignin derived bio-oil to functional chemicals	16.08.2021

74	20EE15A15003	Gaurav Singhal	CSIR-CSIO, Chandigarh	Engineering Sciences	Babankumar Bansod	Spatio temporal mapping using drone to model chlorophyll concentration for crop health monitoring	16.08.2021
75	10PP15J32005	Apoorva Verma	CSIR-NPL, New Delhi	Physical Sciences	Anurag Gupta	Low-temperature magnetic and transport studies of magnetic and superconducting nanostructures	16.08.2021
76	10CC15J19004	Kanika Gupta	CSIR-IIP, Dehradun	Chemical Sciences	Om P. Khatri	Nanostructured carbon-based materials for wastewater remediation and environmental applications	16.08.2021
77	10BB16A18059	Ganji Praveena	CSIR-IICT, Hyderabad	Biological Sciences	R.S. Prakasham	Biosynthesis and biochemical properties of silver nanoparticles by isolated <i>Streptomyces</i> sp. - core protein characterization and green application	16.08.2021
78	20EE15A08010	Sandeep Kumar	CSIR-CFTRI, Mysuru	Engineering Sciences	MVRK Sarma	Functional expression of α -glucosidase towards production of isomaltooligosaccharides	16.08.2021
79	20EE16J15011	Manish Kalra	CSIR-CSIO, Chandigarh	Engineering Sciences	Bhargab Das	Analysis of time-frequency techniques for moving ground vehicle detection and classification using seismic signal processing	16.08.2021
80	20EE16J32019	Harish Singh Rawat	CSIR-IIIM, Jammu	Engineering Sciences	Satya Kesh Dubey	The study of electromagnetically induced transparency (EIT) for its potential applications in e-field sensing	17.08.2021
81	10BB15J25007	Umesh Kumar	CSIR-NBRI, Lucknow	Biological Sciences	Hemant Yadav	Development and characterization of TILLING population of <i>Gossypium herbaceum</i> L.	31.08.2021
82	10BB13A03002	Patil Gajanan	CSIR-CCMB, Hyderabad	Biological Sciences	Rajan Sankaranarayanan	Structural and functional characterization of fatty acyl-AMP ligase from diverse organisms	31.08.2021
83	20EE17A15007	Anupma Thakur	CSIR-CSIO, Chandigarh	Engineering Sciences	R.K. Sinha	Development of efficient photoelectrodes for solar driven hydrogen production by water splitting	31.08.2021
84	10CC17J26026	Nareesh Killi	CSIR-NCL, Pune	Chemical Sciences	GVN Rathna	Design and synthesis of new polymeric carriers as drug delivery systems	31.08.2021
85	10PP17J15002	Shivanshu Goel	CSIR-CSIO, Chandigarh	Physical Sciences	Sachin Tyagi	Rare earth doped barium hexaferrite and carbon nanostructure composites for microwave absorption	31.08.2021
86	20EE15A26035	Aiswarya B Pawar	CSIR-NCL, Pune	Engineering Sciences	Durba Sengupta	Structural characterization of key players in the ErbB signaling pathways: Implications in cancer	31.08.2021
87	20EE15A35001	Ajay Mandal	CSIR-AMPRI, Bhopal	Engineering Sciences	N. Sathish	Graphene reinforced stainless steel metal matrix composite through additive manufacturing	31.08.2021

88	20EE15A08011	Nitin Sonkar	CSIR-CFTRI, Mysuru	Engineering Sciences	K. Venkatesh Murthy	Drying of Amla (<i>Phyllanthus emblica</i>) grating for value addition	31.08.2021
89	10CC15A10009	Karishma Agrawal	CSIR- CIMAP, Lucknow	Chemical Sciences	Karishma Agarwal	Value addition of flavonoids and related compounds for Pharmacological activities	31.08.2021
90	20EE14J24004	Sandeep Kumar	CSIR-NAL, Bangalore	Engineering Sciences	Amit Kumar Onkar	Stochastic response and reliability analysis of aeroelastic structures	31.08.2021



Associate Director, Academic

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