

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

Dated: March 10, 2022

NOTIFICATION

It is notified for all concerned that, the Chairman, Senate, Academy of Scientific and Innovative Research (AcSIR) dated 09.03.2022, has approved the notification for award of the Ph.D degree of the following students in the months January to February 2022.

Sl. No	Registration Number	Name	AcSIR Academic Centre	Faculty / Broad Subjects	Supervisor	Thesis Title	Date of Award of Ph.D Degree
1	10BB15A18039	Bommana Raghunath Reddy	CSIR-IICT, Hyderabad	Biological Sciences	Sumana Chakravarty	Chronic stress-induced mood disorders and associated changes in the specific brain regions of the adult zebrafish	07.01.2022
2	10BB16J39008	Dhanya M.	CSIR-NIIST, Thiruvananthapuram	Biological Sciences	Madhavan Nampoothiri K.	Design and fabrication of drug delivery carriers and scaffolds based on PLA and PHB copolymers	07.01.2022
3	10BB16J16004	Gajaria Tejal Kanaiyalal	CSIR-CSMCRI, Bhavnagar	Biological Sciences	Vaibhav Mantri	Study of bioactive peptides from selected tropical seaweeds	07.01.2022
4	10CC17J26004	Niteen Patil	CSIR-NCL, Pune	Chemical Sciences	Subhash P. Chavan	Synthetic studies towards quinagolide, 3-ethyl-4-methyl-1,5-dihydro-2H-pyrrol-2-one and continuous flow synthesis of Miltefosine	07.01.2022
5	10CC14J39009	Shuhailath K. A.	CSIR-NIIST, Thiruvananthapuram	Chemical Sciences	Ananthakumar S.	Investigations on inorganic-organic hybrid nanomaterials from boehmite [AlOOH] gels for multifunctional applications	07.01.2022
6	10BB15A04007	Shikha Dubey	CSIR-CDRI, Lucknow	Biological Sciences	Ravishankar Ramachandran	Structural and functional studies of selected regulatory and metabolic proteins of <i>Mycobacterium tuberculosis</i>	07.01.2022

7	10PP17A26044	Mahendra Pawar	CSIR-NCL, Pune	Physical Sciences	T. G. Ajithkumar	Growth of two dimensional (2d) materials and its applications in nanoelectronic devices	07.01.2022
8	10BB13A02016	Sumita Chakraborty	CSIR-IGIB, New Delhi	Biological Sciences	Mitali Mukerji	Elucidation of inter-individual variability in cell cycle: Studies in extreme constitution types of Ayurveda	07.01.2022
9	10CC18A33022	Ankit Kumar Dhiman	CSIR-IHBT, Palampur	Chemical Sciences	Upendra Sharma	Development of methodologies for the synthesis of N-heterocyclic derivatives through C-H bond functionalization	07.01.2022
10	10CC16A16006	Bankar Balasaheb Dnyandeo	CSIR-CSMCRI, Bhavnagar	Chemical Sciences	Ankush V. Biradar	Studies on metal oxide based heterogeneous catalyst for fine chemicals synthesis	07.01.2022
11	10CC17A16004	Bhalani Dixit Vinubhai	CSIR-CSMCRI, Bhavnagar	Chemical Sciences	Suresh Kumar Jewrajka	Hydrophilic and amphiphilic poly(vinylidene fluoride) blend ultrafiltration membranes with enhanced antifouling property	07.01.2022
12	10CC15A05006	Peddamaiah Ette	CSIR-CECRI, Karaikudi	Chemical Sciences	K. Ramesha	Development of high capacity nanoarchitecture anode materials for Li-Ion batteries	07.01.2022
13	20EE18A01001	Shubham Singhal	CSIR-CBRI, Roorkee	Engineering Sciences	Ajay Chourasia	Performance evaluation of precast reinforced concrete structural systems subjected to cyclic loading	07.01.2022
14	10BB16J08008	Janhavi P	CSIR-CFTRI, Mysuru	Biological Sciences	S P Muthukumar	Studies on the sour mangosteen (<i>Garcinia xanthochymus</i>) bioactives and their modulatory effects in diet induced hyperglycaemic mice model	12.01.2022
15	10BB16A18068	Sangaraju Rajendra	CSIR-IICT, Hyderabad	Biological Sciences	S. Ramakrishna	Evaluation of galangin against inflammatory diseases by targeting oxidative stress and inflammation in murine models	12.01.2022
16	10CC16J32011	Neakanshika Chanda	CSIR-NPL, New Delhi	Chemical Sciences	Parveen Saini	Graphene based porous materials for energy and electronic applications	17.01.2022
17	10CC16A26019	Sakpal Sushil Suresh	CSIR-NCL, Pune	Chemical Sciences	Sayan Bagchi	Spectroscopic investigation of molecular probes	17.01.2022
18	20EE18A14006	Aamir Rashid Chowdhary	CSIR-CRRI, New Delhi	Engineering Sciences	Nasim Akhtar	Estimation and control of structural vibration in tunnel for low speed metro line	17.01.2022

19	10BB15J26037	Jadhav Uma Arjun	CSIR-NCL, Pune	Biological Sciences	Narendra Kadoo	Analysis of the molecular response of thompson seedless grapes to GA3 treatment	17.01.2022
20	10CC17A26006	Pisal Mahesh Madanrao	CSIR-NCL, Pune	Chemical Sciences	Subhash P. Chavan	Synthesis and biological evaluation of thienopyrimidinone-containing compounds as antitubercular and anticancer agents, novel dicyanoanilines as cell imaging agents and studies towards the total synthesis of quinagolide	17.01.2022
21	10CC15A26028	Deshmukh Gunvant Rajkumar	CSIR-NCL, Pune	Chemical Sciences	K. Krishnamoorthy	Hydrogen bond comprising small molecules and polymers for the self-assembly and electronic device	17.01.2022
22	10BB15A18051	Nandan Kumar	CSIR-IICT, Hyderabad	Biological Sciences	G. Narahari Sastry	Ion interaction with small molecules, water and biomolecules: A computational and informatics study	17.01.2022
23	10CC18A18041	Yennaman eni Divya Rohini	CSIR-IICT, Hyderabad	Chemical Sciences	N. Narender	Sustainable solvent-free strategies for the construction of C-C and C-N bond reactions	17.01.2022
24	20EE15A06004	Asish Kumar Singh	CSIR-IMMT, Bhubaneswar	Engineering Sciences	Ranjan Barik	Study & development of high current density electron emitters for high power and high frequency vacuum electron devices (VEDs)	20.01.2022
25	10CC15J39003	Santhi S.	CSIR-NIIST, Thiruvananthapuram	Chemical Sciences	Radhakrishnan K.V.	Chemoprofiling and biological screening of selected medicinal plants	20.01.2022
26	10CC16J39004	Neethu S.	CSIR-NIIST, Thiruvananthapuram	Chemical Sciences	Radhakrishnan K.V.	Exploration of bioactives from rare and endemic species of western ghats for the development of potential drug lead against infectious and lifestyle diseases	20.01.2022
27	10CC15A18056	Chakali Madhu	CSIR-IICT, Hyderabad	Chemical Sciences	Prakriti Ranjan Bangal	Charge transfer dynamics of organic functional materials towards OLED and OPV applications	20.01.2022
28	10BB15J10007	Poornima R. Rangnathan	CSIR-CIMAP Lucknow	Biological Sciences	Venkata Rao, D.K	Role of altered lipid metabolism in the regulation of ergosterol biosynthesis and its application for enhanced production of medicinally important triterpenoids in yeast	20.01.2022
29	10BB13A03001	V Devi Prasad	CSIR-CCMB, Hyderabad	Biological Sciences	Tushar Vaidya	Analysis of immune memory in B lymphocytes	31.01.2022

30	10PP15J32010	Devendra sethi	CSIR-NPL, New Delhi	Physical Sciences	Chhemendra Sharma	Physical properties of aerosols in different environments	31.01.2022
31	32EE14A06002	Kaushal Kishore	CSIR-CEERI, Pilani	Engineering Sciences	S.A. Akbar	Tunable auto-balancing instrumentation for sensor interface	31.01.2022
32	10BB15A03001	Chhavi Dawar	CSIR-CCMB, Hyderabad	Biological Sciences	Puran Singh Sijwali	De novo transcriptome analysis of embryonic GAM and Brain tissues of Indian Mugger: search for candidate gene(s) having putative role in temperature-dependent sex determination	31.01.2022
33	10BB15J37017	Sameer Ahmad Mir	CSIR-IIIM, Jammu	Biological Sciences	Fayaz Ahmad Malik	Identification of novel stem cell modulator for its potential implication in drug resistant triple-negative breast cancer	31.01.2022
34	10BB16A39016	Swapna Sasi. U.S	CSIR-NIIST, Thiruvananthapuram	Biological Sciences	Raghu K.G.	In vitro based mechanistic study on the role of fructose and palmitate in the genesis of steatosis in HepG2 cell line	31.01.2022
35	20EE17A08018	Chegu Krishnamurthi Madhubala ji	CSIR-CFTRI, Mysuru	Engineering Sciences	Sandeep N Mudliar	Studies on microalgae-bacterial association for biomass production, metabolites and its bioavailability	31.01.2022
36	20EE14A19003	Jayati Trivedi	CSIR-IIP, Dehradun	Engineering Sciences	Deepti Agrawal	Photobioreactor studies of <i>Scenedesmus obliquus</i> for growth and lipid production	31.01.2022
37	10BC14A02024	Richa Pahuja	CSIR-IGIB, New Delhi	Chemical Sciences	Pradeep Kumar	Design and development of polymeric nano-therapeutics for Parkinsonian brain	31.01.2022
38	10CC16J18018	Peddakasu Gangabhanani	CSIR-IICT, Hyderabad	Chemical Sciences	A. Venugopal	Conversion of biomass derived levulinic acid over TiO ₂ supported metal catalysts: Investigation by adsorption and spectroscopic techniques	31.01.2022
39	10CC16J26007	Abdul Motlab	CSIR-NCL, Pune	Chemical Sciences	Pradip Maity	Organocatalyzed synthesis of regio- and stereoselective heterocycles via functionalization of (unsubstituted) N-heteroaromatics and carbocyclization of propargyl ethers	31.01.2022
40	10BB15A08006	Vinayashree S	CSIR-CFTRI, Mysuru	Biological Sciences	Prasanna Vasu	Biochemical and functional characterization of proteins from pumpkin Seeds (<i>Cucurbita</i> spp.) and its implications to cancer and diabetes	07.02.2022

41	20EE17J32023	Deepak Sharma	CSIR-NPL, New Delhi	Engineering Sciences	V.P.S. Awana	Growth and characterization of pure and doped mixed topological insulator crystals	07.02.2022
42	10BB15A37002	Archana Katoch	CSIR-IIIM, Jammu	Biological Sciences	Anindya Goswami	Explicating the role of small molecule inducer of tumor suppressor, Par-4, in controlling EMT/metastasis and, thereof, validation by relevant in vitro and in vivo models	07.02.2022
43	10BB15A04005	Mohammad Shafiq	CSIR-CDRI, Lucknow	Biological Sciences	Kashif Hanif	Role of mitogen activated protein kinase (MAPK)- activated protein kinase 2 (MK2) in pulmonary hypertension	07.02.2022
44	32EE16A41001	Yogalakshmi	CSIR-SERC, Chennai	Engineering Sciences	K. Balaji Rao	Stochastic service life prediction of RC girders subjected to chloride induced corrosion – Shear limit state	07.02.2022
45	10PP14A45001	ARYA V. B	CSIR-4PI, Bangalore	Physical Sciences	Sajani Surendran	The impact of regional aerosols on Indian summer monsoon rainfall and variability	07.02.2022
46	30EE15A09002	Sakthi Prasad S	CSIR-CGCRI, Kolkata	Engineering Sciences	Kaushik Biswas	Formulation and development of thermally stable boron and fluorine incorporated antibacterial bioactive glasses	07.02.2022
47	10CC16A33017	Shaifali	CSIR-IHBT, Palampur	Chemical Sciences	Pralay Das	Methodology development for carbonylative cross-coupling reactions using oxalic acid as C1 source	07.02.2022
48	10CC16A19004	Pankaj K. Prajapati	CSIR-IIP, Dehradun	Chemical Sciences	Suman L. Jain	Transformation of CO ₂ into high-value chemicals using hybrid semiconducting materials	07.02.2022
49	10CC17A26015	Dhote Pawan Surendra	CSIR-NCL, Pune	Chemical Sciences	C.V. Ramana	Internal nitro-/azidoalkyne redox processes in heterocyclic synthesis and metal free mcmurry type coupling	09.02.2022
50	10BB16A17003	Indrani Nandi	CSIR-IICB, Kolkata	Biological Sciences	Krishnananda Chattopadhyay	Biophysical investigation of protein-metal nanocluster interactions	09.02.2022
51	10PP15A39015	Aswathy K.	CSIR-NIIST, Thiruvananthapuram	Physical Sciences	Manoj Raama Varma	Investigation on magnetic, transport and magnetotransport properties of RE ₂ BMnO ₆ perovskites (RE=Pr, Nd and Sm; B= Cr, Fe, and Cu)	09.02.2022
52	10BB16A18057	Digvijay Singh	CSIR-IICT, Hyderabad	Biological Sciences	Amitava Das	SNAI1-mediated transcriptional regulation of unique epithelial-to-mesenchymal transition genes potentiates aggressive phenotypes in breast cancer stem cells	09.02.2022

53	20EE17A27006	Abhishek Shrikrishna Khapre	CSIR-NEERI, Nagpur	Engineering Sciences	Sunil Kumar	Design of phytocap system for sustainable management of landfills	09.02.2022
54	20EE16A06003	Ramit Kumar Mondal	CSIR-CEERI, Pilani	Engineering Sciences	Suchandan Pal	Design and fabrication of AlGaIn based deep ultraviolet light emitting diodes	09.02.2022
55	10CC15A22019	Kapil Mandrah	CSIR-IITR, Lucknow	Chemical Sciences	Somendu Roy	Development of DLLME-SFO-IPS based method for simultaneous analysis of bisphenols in beverages and in vivo evaluation of the metabolomic perturbation promoted by selected bisphenols using gas chromatography-mass spectrometry	09.02.2022
56	10BB16A16010	Kanchan Sambhwan i	CSIR-CSMCRI, Bhavnagar	Biological Sciences	Vaibhav Mantri	Biochemical and molecular characterization of sulphated polysaccharide yielding red seaweed	09.02.2022
57	10BB16A10008	Manoj semwal	CSIR-CIMAP Lucknow	Biological Sciences	Rajesh Kumar Verma	Application of remote sensing technologies for precision agriculture in menthol mint (<i>Mentha arvensis</i> L.)	11.02.2022
58	20EE18A06013	Washim Reza Ali	CSIR-CEERI, Pilani	Engineering Sciences	Mahanth Prasad	Piezoelectric based MEMS acoustic sensor for high SPL and wide frequency applications	11.02.2022
59	20EE16A15003	Viney	CSIR-CSIO, Chandigarh	Engineering Sciences	Prasant K. Mahapatra	Diagnosis and assessment of musculoskeletal injuries using thermography	14.02.2022
60	20EE15J24001	Jaya lakshmi nagam	CSIR-NAL, Bangalore	Engineering Sciences	G.K. Singh	Reliable fault identification for real time flight controller reconfiguration	14.02.2022
61	10BB15A22004	Charul Rajput	CSIR-IITR, Lucknow	Biological Sciences	M P Singh	Role of peroxiredoxin-3 in cypermethrin-induced Parkinsonism	14.02.2022
62	10BB15A22001	Anil Kumar Singh	CSIR-IITR, Lucknow	Biological Sciences	Abhay Raj	In silico approach to identify bacterial Lignin peroxidase (LiP) for sustainable mitigation of lignin derivatives from paper mills wastewater	14.02.2022
63	10PP17J32007	Sahiba Bano	CSIR-NPL, New Delhi	Physical Sciences	S.P. Singh	Study on structural, thermal and electronic transport properties of synthesized Bi ₂ Te ₃ -based thermoelectric materials	16.02.2022
64	10CC17J18022	Krishnakumar Pamula	CSIR-IICT, Hyderabad	Chemical Sciences	N. Lingaiah	Catalytic valorization of biomass to fine chemicals and fuel additives	16.02.2022

65	10CC15A26009	Anupam Tripathi	CSIR-NCL, Pune	Chemical Sciences	Subhash P. Chavan	An approach toward the total synthesis of biologically active molecules (D2 receptor agonist quinagolide and antidiuretic drug sitagliptin) & synthesis of heterocyclic building block and novel triazole methodology	16.02.2022
66	10CC16A38007	Kumud Sharma	CSIR-NEIST, Jorhat	Chemical Sciences	Pranjal Gogoi	Development of new C-C bond forming reactions and synthesis of pyrrolo-fused-quinoline and coumarin derivatives	16.02.2022
67	20EE16A15008	Harmeet Kaur	CSIR-CSIO, Chandigarh	Engineering Sciences	Amit L. Sharma	Luminescent metal-organic frameworks and their composites for light emitting device applications	18.02.2022
68	20EE13A36002	G. Ellamparuthy	CSIR-IMMT, Bhubaneswar	Engineering Sciences	Shivakumar Angadi	Studies on mechanical separation and hydrometallurgical extraction of metal values from end-of-life printed circuit boards	18.02.2022
69	10BB17A08010	Vallamkondu Manasa	CSIR-CFTRI, Mysuru	Biological Sciences	Ajay Wamanrao Tumaney	Isolation and characterization of fixed oil from selected spices and its role in addressing lipid metabolism-related disorder	18.02.2022
70	10CC11J26031	Kunde Pushkar Dnyaneshwar	CSIR-NCL, Pune	Chemical Sciences	S.P. Kamble	Studies in QSAR modelling for selection of potential inhibitors for drug discovery	24.02.2022
71	10CC18A38004	Punamshree Das	CSIR-NEIST, Jorhat	Chemical Sciences	M R Das	Plasmonic nanoparticles decorated on 2D nanosheets as efficient nanozyme and their applications	24.02.2022
72	10CC14A26012	Sayantan Paul	CSIR-NCL, Pune	Chemical Sciences	Asish Kumar Bhattacharya	Approaches towards the synthesis of C-13 arylated artemisinin from artemisinic acid via C(sp ²)-H and C(sp ³)-H functionalization; Hydroxyl assisted transition metal free C(sp ²)-H functionalization and biodynamics from <i>Artocarpus heterophyllus</i> and <i>Aspergillus niger</i>	24.02.2022
73	10BB16J22002	Mohammad Fareed Khan	CSIR-IITR, Lucknow	Biological Sciences	Poonam Kakkar	Studies on endoplasmic reticulum stress induced unfolded protein responses during hyperglycemic nephrotoxicity	24.02.2022
74	10BB18A33005	Patil Shivprasad Suresh	CSIR-IHBT, Palampur	Biological Sciences	Upendra Sharma	Phytochemical and pharmacological investigation of <i>Trillium govanianum</i> wall. ex D. don for steroidal saponins	24.02.2022

75	10PP17A15002	Vishal Shrivastav	CSIR-CSIO, Chandigarh	Physical Sciences	Umesh Kumar Tiwari	Metal organic frameworks derived nanostructures and their composites for hybrid energy storage devices	24.02.2022
76	10CC18J10013	Sarita Singh	CSIR-CIMAP Lucknow	Chemical Sciences	Atul Gupta	Structural modifications of flavonoids for evaluation of their pharmacological activity	25.02.2022
77	10CC18A05003	Parnapalle Ravi	CSIR-CECRI, Karaikudi	Chemical Sciences	M. Sathish	Design and development of nanocomposite materials for photocatalytic hydrogen production	25.02.2022



Associate Director, Academic

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