

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

OFFICE MEMORANDUM

No. AcSIR/7/10(1)-2018

Dated: June 20, 2018

Subject: List of Students for the award of the Degree of 'Doctor of Philosophy' of the Academy of Scientific and Innovative Research in the month of April-May 2018

It is hereby notified that the Chairman, Senate, in anticipation of the ratification by the Senate, AcSIR, has accepted the thesis submitted by the students (Annexure) and declared them eligible for the award of the Degree of 'Doctor of Philosophy' of the Academy of Scientific and Innovative Research in the month of April-May 2018. The degree will be awarded at the Convocation of the Academy. The relevant details are indicated in the annexure.

Enclosure: List of 83 doctoral students

By order of the Director



Senior Manager, AcSIR

Copy to:

1. The Deans of AcSIR
2. The Associate Deans of AcSIR
3. Students
4. The Registrars of all Institutions of National Importance
5. The Secretary, Association of Indian Universities, AIU House, 16-Kotla Marg, New Delhi for University News
6. The Head, Human Resource Development Group, CSIR, CSIR Complex, Pusa, New Delhi
7. The Secretary, University Grants Commission, Bahadur Shah Zafar Marg, New Delhi
8. The Indian Science Abstracts, National Institute of Science Communication and Information Resources (NISCAIR), 14 Satsang Vihar Marg, New Delhi- 110067

Sl. No.	Registration Number	Name	Institute	Faculty	Advisor	Thesis Title	Date of Viva Voce	Date of Award of Degree
1	10BB13A39008	Ayman Omer Idri	CSIR-NIIST, Thiruvananthapuram	Biological Science	Dr. Rajiv Kumar Sukumaran	Fungal cellulase production and application	19.03.2018	02.04.2018
2	10BB13A02011	Rakesh Dey	CSIR-IGIB, New Delhi	Biological Science	Dr. Beena Pillai	Role of miRNA in HIV-1 disease progression	26.03.2018	02.04.2018
3	10BB12A02044	Shivani Gupta	CSIR-IGIB, New Delhi	Biological Science	Dr. Beena Pillai	Role of Histones & Histone variants in neurogenesis	28.03.2018	02.04.2018
4	10CC12J26021	Kshiroda Kumar Patra	CSIR-NCL, Pune	Chemical Science	Dr. C.S.Gopinath	Role of Surface Plasmon Resonance in Solar Light Harvesting	19.02.2018	09.04.2018
5	32EE14A41002	Prawin J	CSIR-SERC, Chennai	Engineering Science	Prof.A.Rama Mohan Rao	Nonlinear system identification techniques for structural health monitoring	02.04.2018	09.04.2018
6	10CC12A18035	Sujatarani Anantacharan Panda	CSIR-IICT, Hyderabad	Chemical Science	Dr. Ch. Raji Reddy	Development of enyne-assisted annulations towards the synthesis of pyridines, pyrroles and pyrrolicarbin	27.03.2018	09.04.2018
7	10CC13J22004	Ankita Asati	CSIR-IITR, Lucknow	Chemical Science	Dr. Devendra kumar Patel	Microextraction based sample preparation methods to monitor selected endocrine disrupting chemicals (EDCs) in environmental and biological matrices using design of experiment	28.03.2018	09.04.2018
8	10BB13J08001	Sharmila G R	CSIR-CFTRI, Mysore	Biological Science	Dr. G Venkateswaran	Studies on molecular characterization and therapeutic aspects of novel anti-trypsin inhibitor	26.03.2018	10.04.2018
9	10BB12A26069	Ejaj Pathan	CSIR-NCL, Pune	Biological Science	Dr. M. V. Deshpande	Molecular characterization of NAD- and NADP-dependent glutamate dehydrogenases to understand their cause-effect relationship in dimorphic, zygomycete <i>Benjaminiella poitrasii</i> and its evaluation as an antifungal target	27.03.2018	10.04.2018
10	10BB11J33009	Anish Kancharla	CSIR-IHBT, Palampur	Biological Science	Dr. Sanjay Kumar	Studies on the effect of co-overexpression of selected genes of carbon and nitrogen metabolism in <i>Arabidopsis thaliana</i> (ecotype Col-0)	28.03.2018	10.04.2018
11	10BB12A04004	Salman Shahid	CSIR-CDRI, Lucknow	Biological Science	Dr. Ashish Arora	Structural characterization of the stereochemical configuration of active site residues of bacterial peptidyl-tRNA hydrolase	02.04.2018	10.04.2018
12	10CC13A16004	M Raju	CSIR-CSMCRI, Bhavnagar	Chemical Science	DR. PARIMAL PAUL	Identification and biotechnological applications of siderophores	04.04.2018	10.04.2018

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13	10CC13A16005	Arka Saha	CSIR-CSMCRI, Bhavnagar	Chemical Science	Dr. Subhash Chandra Ghosh	Synthesis of molybdenum based nanostructured materials, their characterization and possible application	05.04.2018	10.04.2018
14	10CC14A16018	Sobhan Chatterjee	CSIR-CSMCRI, Bhavnagar	Chemical Science	Dr. Alok Ranjan Patil	Transition metal ion detection/removal with functionalized materials & ionic liquids in aqueous media	05.04.2018	11.04.2018
15	10PP14A32005	Reena Goyal	CSIR-NPL, New Delhi	Physical Science	Dr. V. P. S. Awana	Superconductivity in layered (Nb/Ta)2Pdx(S/Se/Te)y compounds	20.03.2018	13.04.2018
16	10BB15A26045	Jagdeeshprasad M G	CSIR-NCL, Pune	Biological Science	Dr. Mahesh J. Kulkarni	Investigation of advanced glycosylated hemoglobin as an alternative marker for better diagnosis of diabetes	02.04.2018	13.04.2018
17	10CC12A05010	K Hemlatha	CSIR-CECRI, Karaikudi	Chemical Science	Dr. A. S. Prakash	Sodium insertion compounds as electrode materials for sodium ion batteries	05.04.2018	13.04.2018
18	10CC13J39006	Santhini P. V	CSIR-NIIST, Thiruvananthapuram	Chemical Science	Dr. R. Luxmi Varma	Synthesis of heterocycles and carbocycles via desymmetrization of bicyclic olefins and multicomponent reactions of indoles	05.04.2018	13.04.2018
19	10CC13J18014	Sivaram Illa	CSIR-IICT, Hyderabad	Chemical Science	Dr. Pratyay Basak	Nanostructured metal oxides paired with polymeric electrolytes for dye-sensitized solar cells and electrochromic devices	06.04.2018	13.04.2018
20	20EE13A15004	Manil Kukkar	CSIR-CSIO, Chandigarh	Engineering Science	Dr. Akash Deep	Synthesis of molybdenum disulphide based nanotemplates and their application for sensitive immunosensing of prostate specific antigen	05.04.2018	15.04.2018
21	20EE14J15003	Neha	CSIR-CSIO, Chandigarh	Engineering Science	Dr. Akash Deep	Biofunctionalized metal organic frameworks for bacterial detection	05.04.2018	15.04.2018
22	10CC11A26040	Srikanth Dama	CSIR-NCL, Pune	Chemical Science	Dr. C.V.V. Satyanarayana	Novel perovskite type oxides as catalysts for generation of synthesis gas with variable H2 to CO ratio	28.03.2018	16.04.2018
23	10CC11A26048	Kolluru Srinivas	CSIR-NCL, Pune	Chemical Science	Dr. C. V. Ramana	Catalytic functionalization of Benzofurans and total synthesis of Propolisbenzofuran B	03.04.2018	16.04.2018
24	10CC12A26029	Rahul Shingare	CSIR-NCL, Pune	Chemical Science	Dr. D. Srinivasa Reddy	Antibacterial natural product Hunanamyacin A: Total synthesis, lead optimization, and related studies	04.04.2018	16.04.2018
25	10CC12A26043	Vineeta Soni	CSIR-NCL, Pune	Chemical Science	Dr. Benudhar Punji	Unified strategies for nickel-catalyzed and metal-free C-H functionalizations of indoles, and mechanistic studies	09.04.2018	16.04.2018

Accepted

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26	10PP13A05016	Karthikeyan J	CSIR-CECRI, Karaikudi	Physical Science	Dr. P. Murugan	First principles calculations on structural stability and physicochemical properties of Mo-5 nanostructures	10.04.2018	18.04.2018
27	10CC12A32013	Shahjad	CSIR-NPL, New Delhi	Chemical Science	Dr. Asit Patra	Synthesis and characterization of benzodithiophene and diketopyrrolopyrrole based conjugated materials for solar cell applications	10.04.2018	16.04.2018
28	10BB12A02043	Khushdeep Bandesh	CSIR-IGIB, New Delhi	Biological Science	Dr. Dwaipayan Bharadwaj	Long non-coding RNA and Regulation of C-peptide levels	12.04.2018	20.04.2018
29	10BB12A37015	Ashok Kumar	CSIR-IITM, Jammu	Biological Science	Dr. D. M. Mondhe	Anticancer potential of semi-synthetic analogs of Colchicine	23.03.2018	25.04.2018
30	10BB12J08001	Angelina	CSIR-CFTRI, Mysore	Biological Science	Dr. S V N Vijayendra	High cell density fermentation process for polyhydroxyalkanoates production by halophilic bacteria	13.04.2018	25.04.2018
31	10PP13A32011	Deepika Chaudhary	CSIR-NPL, New Delhi	Physical Science	Dr. Sushil Kumar	A study of the plasma characteristics of 27.12 MHz assisted PECVD process for silicon thin film growth	17.04.2018	25.04.2018
32	10BB12A04019	Divya Maheshwari	CSIR-CDRI, Lucknow	Biological Science	Dr. Ashish Arora	Structural and Biophysical characterization of Rab5a from Leishmania donovani, and Glia maturation factor from Caenorhabditis elegans	17.04.2018	25.04.2018
33	10CC14J16004	Chitrakar Ravi	CSIR-CSMCRI, Bhubanagar	Chemical Science	Dr. S. Adimurthy	Synthesis and functionalization of bioactive N-heterocyclic scaffolds derived from pyridines	18.04.2018	25.04.2018
34	32EE12J41005	Mohit Verma	CSIR-SERC, Chennai	Engineering Science	Dr. J. Rajasankar	Optimal Controller Design for Dynamic Hybrid Simulation Based on Impedance Matching Approach	07.04.2018	03.05.2018
35	10CC12A26009	Atanu Patra	CSIR-NCL, Pune	Chemical Science	Dr. A. T. Biju	N-heterocyclic carbene-organocatalyzed umpolung of aldehydes and imines for new synthetic transformations	09.04.2018	03.05.2018
36	32EE14A09003	Nilanjana Shasmal	CSIR-CGCRI, Kolkata	Engineering Science	DR. BASUDEB KARMAKAR	Synthesis, property evaluation and application of rare earth doped plasmonic glass nanocomposites	14.04.2018	03.05.2018
37	20EE15J32026	Swati Bishnoi	CSIR-NPL, New Delhi	Engineering Science	Dr. D. Haranath	Development of luminescent materials as spectral converters for photovoltaic applications	16.04.2018	03.05.2018
38	10CC13J32006	Shobhita Singhal	CSIR-NPL, New Delhi	Chemical Science	Dr. Rajesh	Synthesis and characterization of electroactive nanostructured materials for biosensing applications	19.04.2018	03.05.2018

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39	10CC12A18046	Varaprasad Somiseti	CSIR-IICT, Hyderabad	Chemical Science	Dr. K.V.S.N RAJU	Development of renewable resource based polyols for functional polyurethane coatings	19.04.2018	03.05.2018
40	10CC12A26032	Rohini Ople	CSIR-NCL, Pune	Chemical Science	Dr. D. S. Reddy	Design, synthesis and biochemical studies of FadD and type III PKS inhibitors towards developing anti-tuberculosis agents	20.04.2018	03.05.2018
41	10CC13J39005	Ajesh Vijayan	CSIR-NIIST, Thiruvananthapuram	Chemical Science	Dr. K. V. Radhakrishnan	Construction of Carbocycles and Heterocycles Utilizing the Steric Strain in Heterobicyclic Olefins	20.04.2018	03.05.2018
42	10CC13J18044	T Gayathri	CSIR-IICT, Hyderabad	Chemical Science	Dr. Surya Prakash Singh	Design and synthesis of functional bodipy dyes and their emerging applications	23.04.2018	03.05.2018
43	10CC12J18013	Gopinath Jonnalagadda	CSIR-IICT, Hyderabad	Chemical Science	Dr. A.V. Sesha Sainath	Macromolecular architectures from 1, 10-phenanthroline based ruthenium complex, carbazole and poly(3-dodecylthiophene) for enhanced charge transportation in organic electronics	25.04.2018	03.05.2018
44	10CC13J18048	Apparao Thota	CSIR-IICT, Hyderabad	Chemical Science	Dr. CH. RAMAKISHAN RAO	Conducting oligoanilines, polymers and metal composites for electrochemical applications	26.04.2018	03.05.2018
45	10BB13J37003	Sajad Ahmed Lone	CSIR-IIIM, Jammu	Biological Science	Dr. Qazi Parvaiz Hassan	Molecular , Phytochemical and cytological characterization of Epimedium elatum (Morr & Decne) : a rare high altitude medicinal plant of Northwestern Himalayas in India	09.04.2018	08.05.2018
46	10CC12J26002	Dinesh Paymode	CSIR-NCL, Pune	Chemical Science	Dr. C. V. Ramana	Studies toward the total synthesis of allocolchicine, parvifolal A/B & Ru-catalyzed direct arylation of 2-arylbenzofurans	13.04.2018	08.05.2018
47	10BB11J26116	Rahul Tanpure	CSIR-NCL, Pune	Biological Science	Dr. Vidya S. Gupta	Functional characterization of proteinase inhibitors from Capsicum annum using transgenic approach	17.04.2018	08.05.2018
48	10BB12A25007	Ashutosh Kumar Singh	CSIR-NBRI, Lucknow	Biological Science	Dr. Puneet S. Chauhan	Study of Climatic Influence on Soil carbon Pools and fluxes in a Tropical Dry Forest	18.04.2018	08.05.2018
49	20EE13A32018	Aishnik Acharya	CSIR-NPL, New Delhi	Engineering Science	Dr. Poonam Arora	Design, development and evaluation of cesium primary frequency standard, frequency metrology and time dissemination system	19.04.2018	08.05.2018
50	10BB12A02007	Priyanka Shrivastava	CSIR-IGIB, New Delhi	Biological Science	Dr. S. Ramachandran	Molecular and functional characterization of selected target proteins involved in cell wall processes of Mycobacterium tuberculosis	25.04.2018	08.05.2018

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51	10BB13J02023	Kiran Narta	CSIR-IGIB, New Delhi	Biological Science	Dr. Mohammed Faruq	Genome-wide approach for discovering novel genetic loci in Glaucomatous Neurodegeneration	04.05.2018	08.05.2018
52	10BB12A37010	Aehtesham Hussain	CSIR-IIIIM, Jammu	Biological Science	Dr. Qazi Parvaiz Hassan	Isolation , Characterization and evaluation of selected actinomycetes for bioactive molecules	09.04.2018	04.05.2018
53	10BB12A22005	Radha Dutt Singh	CSIR-IITR, Lucknow	Biological Science	Dr. Vikas Srivastava	Prenatal Arsenic Exposure and Chronic Kidney Disease: Understanding the Cellular and Epigenetic Mechanisms	27.04.2018	04.05.2018
54	10CC13A26028	Aslam Shaikh	CSIR-NCL, Pune	Chemical Science	Dr. Nitin T. Patil	Design and Development of Organic Fluorophores via Catalytic Alkyne Functionalizations	20.04.2018	30.05.2018
55	10CC13A11002	Berhanu Telay mekonen	CSIR-CLRI, Chennai	Chemical Science	Dr. P. Thankaivelan	Studies on the conversion of collagenous solid wastes into functional materials for heterogeneous applications	25.04.2018	14.05.2018
56	10CC15J32017	Rajni Verma	CSIR-NPL, New Delhi	Chemical Science	Dr. AVANISH KUMAR SRIVASTAVA	Oxide nanomaterials: Synthesis, characterization, optical and biological responses	04.05.2018	14.05.2018
57	10CC12J26013	Yachita Sharma	CSIR-NCL, Pune	Chemical Science	Dr. Amol Kulkarni	Continuous flow synthesis of organic compounds	24.04.2018	30.05.2018
58	10CC12A26059	Manikandan T	CSIR-NCL, Pune	Chemical Science	Dr. A. T. Biju	Extending aryne chemistry: Coupling benzyne with tropones, alcohols, azirines, allylthioethers and more	24.04.2018	15.05.2018
59	10CC13A17008	Asik Hossian	CSIR-IIICB, Kolkata	Chemical Science	Dr. Ranjan Jana	Development of decarboxylative cross-coupling reactions	09.05.2018	15.05.2018
60	10CC13J11004	P Nagaraju	CSIR-CLRI, Chennai	Chemical Science	Dr. DEBASIS SAMANTA	Synthesis of various poly(NIPAM)-based stimuli responsive materials for applications in catalyst recovery and microencapsulation	11.05.2018	21.05.2018
61	10CC13A05003	S. Premilatha	CSIR-CECRI, Karaikudi	Chemical Science	Dr. G. N. K. Ramesh Babu	Electrodeposition of cobalt nanocomposites for electrochemical sensor applications	11.05.2018	21.05.2018
62	10CC12J26016	Avinash Bansode	CSIR-NCL, Pune	Chemical Science	Dr. Nitin T. Patil	Gold Catalyzed and Selectfluor Mediated Organic Transformations	20.04.2018	24.05.2018
63	10BB12J22017	Rajesh Kushwaha	CSIR-IITR, Lucknow	Biological Science	Dr. Sanghamitra Bandyopadhyay	A study on the mechanism of arsenic-mediated astrocyte damage in the developing rat brain	04.05.2018	24.05.2018
64	10CC13A26010	Santigopal Mondal	CSIR-NCL, Pune	Chemical Science	Dr. A. T. Biju	Organocatalytic Enantioselective Synthesis of Functionalized Cyclopentenones, beta-Lactones and Spirocyclohexenols	10.05.2018	24.05.2018

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65	10CC12A26026	Santanu Pattanayak	CSIR-NCL, Pune	Chemical Science	Dr. Kumar Vanka	Spectroscopic and Electrochemical Studies Towards Understanding the Activation of C-H and O-H Bonds by High-valent Metal Oxo Intermediates	11.05.2018	24.05.2018
66	10CC11J18048	Gopal Reddy R	CSIR-IICT, Hyderabad	Chemical Science	Dr. J. S. Yadav	Approaches towards the stereoselective synthesis of 14-membered macrolides: Gliomasolide A, C, E and callyspongiolide	11.05.2018	24.05.2018
67	10BB11A26052	Shraddha Puntambekar	CSIR-NCL, Pune	Biological Science	Dr. Chetan Gadgil	Understanding skin pigmentation through mathematical modeling and data analysis	14.05.2018	24.05.2018
68	10BB12A02035	Shruti Kapoor	CSIR-IGIB, New Delhi	Biological Science	Dr. Chetana Sachidanandan (Supervisor)/ Dr. Vinod Scaria (Co-Supervisor)	Paradigms of regulation in zebrafish development	14.05.2018	24.05.2018
69	10CC15A18006	G Niranjana Reddy	CSIR-IICT, Hyderabad	Chemical Science	Dr. B. V. Subba Reddy	Tandem Prins Cyclization for the Stereoselective Synthesis of Indenopyrans and Development of Acid Catalyzed Transformations	15.05.2018	24.05.2018
70	10CC15A18018	Gurram Venkatarameshbabu	CSIR-IICT, Hyderabad	Chemical Science	Dr. K. S. RAMA RAO	Catalytic dehydrogenation reactions using CO ₂ as a soft oxidant	18.05.2018	24.05.2018
71	10CC12A18037	Rajnish Kumar	CSIR-IICT, Hyderabad	Chemical Science	Dr. Ramanuj Narayan	Towards the development of high fluorescent materials for functional applications	18.05.2018	24.05.2018
72	10CC11A26020	Jaisingh Divse	CSIR-NCL, Pune	Chemical Science	Dr. Santosh B. Mhaske	Design and synthesis of novel bioactive steroids and beta-lactam based molecules by click chemistry and application of steroidal organocatalyst for aldol reaction	02.05.2018	30.05.2018
73	10BB13J02016	Anusha Aditya	CSIR-IGIB, New Delhi	Biological Science	Dr. Munia Ganguli	Zinc oxide nanoparticles and their bio-functionalized derivatives: Biomedical applications in skin	07.05.2018	30.05.2018
74	10PP14A32004	Komal Jain	CSIR-NPL, New Delhi	Physical Science	Dr. R. P. Pant	Magneto-optical & microwave resonance investigations of magnetic fluid and ferrofibers	09.05.2018	30.05.2018
75	10BB13A37001	Divya Arora	CSIR-IIIM, Jammu	Biological Science	Dr. Sundeep Jaglan	Co-culture induced production, isolation and characterization of natural products from microorganisms, their anticancer activity and delivery using nano-carriers	15.05.2018	30.05.2018
76	10CC14A39005	Abhilash P	CSIR-NIIST, Thiruvananthapuram	Chemical Science	Dr. K.P. SURENDRAN	DIELECTRIC SUBSTRATES AND SCREEN PRINTABLE INKS FOR MICROELECTRONIC APPLICATIONS	15.05.2018	30.05.2018

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77	10BB12J33003	Indu Gangwar	CSIR-IHBT, Palampur	Biological Science	Dr. Ravi Shankar	In silico analysis of biomolecular interactions involved in system regulation using high-throughput approach	21.05.2018	30.05.2018
78	10CC13J18040	Shilpa N	CSIR-IICT, Hyderabad	Chemical Science	Dr. Rohit Kumar Rana	Assembling inorganic-organic hybrids to stabilize catalytic components: Application in chemical conversion and water splitting reactions	21.05.2018	30.05.2018
79	10BB12J33008	Aditya Kulshreshtha	CSIR-IHBT, Palampur	Biological Science	Dr. Vipin Hallan	Functional Characterization of AC4 protein of Tomato leaf curl Palampur virus	22.05.2018	30.05.2018
80	10CC12A18053	Lade Dhanaji Madhavrao	CSIR-IICT, Hyderabad	Chemical Science	Dr. S. Chandrasekhar	Total synthesis of lamellarins and Cp*Co(III)-catalyzed C-H functionalization towards heterocycles	22.05.2018	30.05.2018
81	10BB12J22020	Divya Vimal	CSIR-IITR, Lucknow	Biological Science	Dr. D. Kar Chowdhuri	Studies on the role of mlh1 in reproduction and its modulation by xenobiotics in Drosophila Melanogaster	24.05.2018	30.05.2018
82	10BB13J02001	Akshara Pande	CSIR-IGIB, New Delhi	Biological Science	Prof. Samir K Brahmachari	Regulation of Biological Networks: role of regulatory RNA and Transcription factor interplay	26.05.2018	30.05.2018
83	10CC12A04038	Shivam Maurya	CSIR-CDRI, Lucknow	Chemical Science	Dr. Atul Kumar	Green catalytic synthesis of novel aza/oxa heterocyclic based privileged structures as potential anti-tubercular agents	24.05.2018	31.05.2018

Asst. Prof. Dr. S. K. Brahmachari