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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)-2025

# NOTIFICATION

Dated: April 15, 2025

It is hereby notified to all the concerned that the Ph.D. Degree has been awarded to the following students by the Chairman, Senate, AcSIR in the month of November, 2024. The relevant details are indicated below:

SN	Name with Registration Number	Affiliated Research Institute (Faculty)	Supervisor (Co-Supervisor)	Thesis Title	Date of Award of Ph.D. Degree
1	Anusuya Boruah (10CC21J38010)	CSIR-NEIST, Jorhat (Chemical Sciences)	Binoy Kumar Saikia (Prasenjit Saikia)	Chemical modification of carbon quantum dots derived from waste carbonaceous materials for environmental applications	04.11.2024
2	Abhilash Rana (10CC19A18002)	CSIR-IICT, Hyderabad (Chemical Sciences)	Ajay Kumar Singh (P. Srihari)	Integrated continuous flow process from manual optimization to Al-driven automated optimization for API synthesis	04.11.2024
3	Dinesh Kumar (10CC14A14003)	CSIR-CRRI, New Delhi (Chemical Sciences)	V.V.L. Kanta Rao (Lakshmy Parameswaran)	A study on flow, mechanical and durability properties of self compacting concrete containing coarse recycled concrete aggregate	04.11.2024
4	Andharia Jigar Kishorbhai (20EE20J16001)	CSIR-CSMCRI, Bhavnagar (Engineering Sciences)	Subarna Maiti	Effective use of solar energy for controlled drying applications	04.11.2024
5	Srikrishna Manna (20EE21J09001)	CSIR-CGCRI, Kolkata (Engineering Sciences)	Samar Kumar Medda (Santanu Maity)	Development of MO2 (M=Si, Ti and Zr) based antireflective and self-cleaning optical coatings by sol-gel technique and their applications	04.11.2024
6	Garima (10PC18A15005)	CSIR-CSIO, Chandigarh (Chemical Sciences)	Abhay Sachdev	Graphene based nanocomposites for electrochemical detection of drugs of illicit use	04.11.2024
7	Dipanwita Sengupta (10PP21J68015)	DST-WIHG, Dehradun (Physical Sciences)	Som Dutt	Holocene climate variability in the Indian sub-continent: teleconnections and socio-economic consequences	06.11.2024
8	Dileshwar Prasad (10BB19J25004)	CSIR-NBRI, Lucknow (Biological Sciences)	Priyanka Agnihotri	Taxonomic revision of subtribes Agrostidinae Fr. and Aveninae J. Presl (Poaceae) in India	06.11.2024
9	Shiv Kumar Maurya (10BB15A25005)	CSIR-NBRI, Lucknow (Biological Sciences)	Aniruddha P. Sane	The role of MYB transcription factors in rose petal abscission	06.11.2024
10	Banani Deka (10BB16A38022)	CSIR-NEIST, Jorhat (Biological Sciences)	Anil Kumar Singh	Development of efflux pump inhibitors of energy dependent transporter in clinically relevant bacteria	06.11.2024





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11	Ishfaq Majid Hurrah (10BB19A37009)	CSIR-IIIM, Jammu (Biological Sciences)	Nazia Abbas	Understanding functional and regulatory aspects of artemisinin biosynthesis in <i>Artemisia annua</i> L.	06.11.2024
12	Induja D. K. (10BB20J39019)	CSIR-NIIST, Thiruvanan- thapuram (Biological Sciences)	Ravi Shankar L. (Reshma M.V.)	Investigation of diverse secondary metabolites through axenic and co-cultures of selected Streptomyces strains from the Western Ghats Forest	06.11.2024
13	Tenzen Yodun (10BB18A37032)	CSIR-IIIM, Jammu (Biological Sciences)	Shashank K. Singh	Pharmacological investigation of 3-Methyl-imidazo[1,2-α]pyridine analogues as potential anticancer chemotherapeutic agent	06.11.2024
14	Pawde Subhash Vishwanath (20BE21J08002)	CSIR-CFTRI, Mysore (Engineering Sciences)	Pichan Prabhasankar (Rajeshwar S. Matche)	Development of active packaging system – oxygen scavenger for bakery product	06.11.2024
15	Varsha Singh (10BB18A22017)	CSIR-IITR, Lucknow (Biological Sciences)	Kausar Mahmood Ansari (Sanjay Yadav)	Investigating the role of zearalenone, a mycoestrogen in promotion of endometrial cancer	06.11.2024
16	Shipra Kanti Jena (10BB20J17003)	CSIR-IICB, Kolkata (Biological Sciences)	Rupasri Ain	Molecular signatures regulating epithelial mesenchymal transition (EMT) in placental development and trophoblast stem cell differentiation	10.11.2024
17	Aman Thakur (10BB20J33013)	CSIR-IHBT, Palampur (Biological Sciences)	Rakshak Kumar	Vitamin D2 enrichment of captive cultivated Shiitake mushroom for the production of value-added products	10.11.2024
18	Jafar Sarif (10BB20J17008)	CSIR-IICB, Kolkata (Biological Sciences)	Dipyaman Ganguly	Exploring novel regulators of innate immune system in health and autoimmunity	10.11.2024
19	Mengji Rakesh (10BB19J18012)	CSIR-IICT, Hyderabad (Biological Sciences)	Avijit Jana	Perylene monoamide derived near-infrared fluorescent probes for sensing, imaging, and photo-responsive anticancer drug delivery	10.11.2024
20	Suman Mondal (10CM18A12018)	CSIR-CMERI, Durgapur (Mathematical and Information Sciences)	Sambhunath Nandy (Ranjit Ray)	Obstacle free motion planner and intelligent controller for mobile robotic systems	10.11.2024
21	Ameen E (32EE15A41003)	CSIR-SERC, Chennai (Engineering Sciences)	Bala Pesala (Madan Kumar Lakshmanan)	Smart power windows using high contrast gratings	10.11.2024
22	Bhupendra Kumar Markam (20EE18A16017)	CSIR-CSMCRI, Bhavnagar (Engineering Sciences)	Subarna Maiti (Sadhana Rayalu)	Development, heat transfer analysis and computational modeling of new decentralized solar collector	10.11.2024
23	Aditi (20EE18A15008)	CSIR-CSIO, Chandigarh (Engineering Sciences)	Sudipta Sarkar Pal	Introducing specificity in fiber-optic surface plasmon resonance (FO-SPR) biosensors: A combinatorial approach	10.11.2024





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24	Himanshu Raghav (10CC19J19011)	CSIR-IIP, Dehradun (Chemical Sciences)	Bipul Sarkar (Shailendra Tripathi)	Development of multifunctional metal oxide catalyst(s) for alternative production of light olefins	10.11.2024
25	Irshad Ahmad Zargar (10CC19A37045)	CSIR-IIIM, Jammu (Chemical Sciences)	Debaraj Mukherjee (Qazi Naveed Ahmed)	Development of challenging O-/C-/S- glycosylation methods and C-H activation employing glycals	10.11.2024
26	Jeyavani V (10CC20A26039)	CSIR-NCL, Pune (Chemical Sciences)	Shatabdi Porel Mukherjee	Synthesis of oxide-based nanomaterials: catalysis, electrocatalysis and adsorption applications	10.11.2024
27	Priyanka (10PP20J15005)	CSIR-CSIO, Chandigarh (Physical Sciences)	Umesh K Tiwari (Akash Deep)	Optical fiber based SPR biosensor for biomarker detection	10.11.2024
28	Santhi Maria Benoy (10PP21J38003)	CSIR-NEIST, Jorhat (Physical Sciences)	Binoy Kr. Saikia (Manoj Kr. Phukan)	Synthesis of porous carbon derivatives from coal and pet-coke for energy storage applications	10.11.2024
29	Rani Devi (10MP19A45001)	CSIR-4PI, Bangalore (Physical Sciences)	Krushna Chandra Gouda	Influence of physical processes on the spatio-temporal dynamics of heat waves in India	10.11.2024
30	Yogi Deepa Shashikant (10PP18A29012)	CSIR-NIO, Goa (Physical Sciences)	Mandar Nanajkar	Feeding ecology of megabenthic predators from estuarine habitat of Goa-India	11.11.2024
31	Chandan Kumar (10CC19A32120)	CSIR-NPL, New Delhi (Chemical Sciences)	Sanjay R. Dhakate	Synthesis of Graphene Oxide (GO) from petroleum coke and its applications	11.11.2024
32	Ankit (10CC19J32010)	CSIR-NPL, New Delhi (Chemical Sciences)	Nita Dilawar Sharma (H.K. Singh)	Investigations on rare earth manganites, tantalates and vanadates under extreme conditions of temperature and pressure	11.11.2024
33	Perla Bharath Kumar (10CC19J18012)	CSIR-IICT, Hyderabad (Chemical Sciences)	Galla V. Karunakar	Facile access to carbo-and heterocycles through metal- catalyzed transformations of suitably substituted al- kenes/alkynes	11.11.2024
34	Gurjeet Kaur (10PC21J15001)	CSIR-CSIO, Chandigarh (Chemical Sciences)	Manoj K Nayak (Akash Deep)	Quantification of food toxins using advanced functional materials and their composites based sensors	11.11.2024
35	Bajaj Pooja (10CC18A18027)	CSIR-IICT, Hyderabad (Chemical Sciences)	Pratyay Basak (Sunkara V. Manorama)	2D-materials mediated metal oxide composites: demonstrating feasibility as photocatalyst and gas sensors	11.11.2024
36	Rita Theodore (10MM19A42005)	CSIR-NIScPR, New Delhi (Mathematical and Information Sciences)	N.K. Prasanna	The role of science communication in eradicating potential risks of paramedics during outbreak of contagious diseases	12.11.2024
37	Mehmood Ali (10BB18J04015)	CSIR-CDRI, Lucknow (Biological Sciences)	Jimut Kanti Ghosh	Characterization of antidiabetic properties of fragments derived from innate immune signaling protein and adipokine	12.11.2024





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38	Saurabh Singh (10BB19J22004)	CSIR-IITR, Lucknow (Biological Sciences)	Natesan Manickam	Metagenomic insights for functional gene diversity from plastic contaminated sites and characterization of bacteria for the biodegradation of phthalate esters	12.11.2024
39	S Babu Dadinaboyina (10CC19J18015)	CSIR-IICT, Hyderabad (Chemical Sciences)	T. Jagadeshwar Reddy (B. Nagendra Babu)	Characterization of stress degradation products of remdesivir and indacaterol & quantification of semiochemicals by mass spectrometry	12.11.2024
40	Somanaboina Ramya (10CC21J18043)	CSIR-IICT, Hyderabad (Chemical Sciences)	B. Chian Raju (Anthony Addlagatta)	Synthesis of pyranochromenes, benzamides, dihydropyridines, pyrazole heterocycles of biological interest	12.11.2024
41	Sumit (10CC19A33037)	CSIR-IHBT, Palampur (Chemical Sciences)	Upendra Sharma	Transition metal catalyzed C-H functionalization of <i>N</i> -heterocycles for C-C and C-S bond formation	15.11.2024
42	Pranesh Pal (10CC20J18034)	CSIR-IICT, Hyderabad (Chemical Sciences)	S. Chandrasekhar (Prathama S. Mainkar)	Employing radicals in unique multi-component cascade reactions in alkyne-tethered cyclo-hexadienones and idoles	16.11.2024
43	Rayees Ahmad Lone (10BB19J25032)	CSIR-NBRI, Lucknow (Biological Sciences)	Chandra Sekhar Mohanty	Molecular bioprospection of the root-tuber of underutilized legume <i>Psophocarpus tetragonolobus</i> (L.) DC.	16.11.2024
44	Mamta Rani (10PP19A32004)	CSIR-NPL, New Delhi (Physical Sciences)	Bhanu Pratap Singh	Studies on carbon nanotubes-ultra high molecular weight polyethylene composites for high impact resistant applications	16.11.2024
45	Mohammad Osim Aquatar (10PP15A27003)	CSIR-NEERI, Nagpur (Physical Sciences)	Reddithota J Krupadam	Graphene nanocomposites: synthesis, characterization and application for color removal	16.11.2024
46	Sarabjot Kaur (32EE18A15016)	CSIR-CSIO, Chandigarh (Engineering Sciences)	Sanjeev Soni	Photothermal assisted antimicrobial activity of plasmonic nanoparticles	16.11.2024
47	Dahake Rashmi Vinod (20EE19J27002)	CSIR-NEERI, Nagpur (Engineering Sciences)	Amit Bansiwal	Disposable paper based electrochemical microfluidic sensors for efficient determination of arsenic in water	16.11.2024
48	Kavita Koshta (10BB19J22012)	CSIR-IITR, Lucknow (Biological Sciences)	Vikas Srivastava	Prenatal arsenic exposure and the risk of metabolic syndrome: understanding the mechanism of impaired adipose health	16.11.2024
49	Babita Joshi (10BB17J25010)	CSIR-NBRI, Lucknow (Biological Sciences)	Satya Narayan Jena (Samir V Sawant)	Genome-wide association studies (GWAS) for the assessment of fiber yield traits in Indian core germplasm of upland cotton (Gossypium hirsutum L.)	16.11.2024
50	Kainat (10BB18A22002)	CSIR-IITR, Lucknow (Biological Sciences)	Pradeep Kumar Sharma	A study on evaluation and understanding the ethanol-induced potentiation of drug-induced liver injury	16.11.2024





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51	Divya Yadav (10BB19J08002)	CSIR-CFTRI, Mysore (Biological Sciences)	Pradeep Singh Negi	Development of a synbiotic nutraceutical formulation from mushroom waste for post-menopausal osteoporosis prevention	16.11.2024
52	Saurabh Singh (10BB16A22012)	CSIR-IITR, Lucknow (Biological Sciences)	Anurag Tripathi (Sheelendra Pratap Singh)	Investigating the antioxidative, photoprotective and chemopreventive effects of sunset yellow	16.11.2024
53	Alka Kurmi (10BB18J10010)	CSIR-CIMAP, Lucknow (Biological Sciences)	Dharmendra Saikia	Bioprospecting of plant derived bioactives against Candida; an <i>in-vitro</i> and <i>in-vivo</i> study	16.11.2024
54	Nuzhat Bano (10BB18A22007)	CSIR-IITR, Lucknow (Biological Sciences)	Pradeep Kumar Sharma	Understanding the role of cell cycle alterations in doxorubicin-induced chemoresistance	16.11.2024
55	KVRN Sri Divya (10CB20J18013)	CSIR-IICT, Hyderabad (Biological Sciences)	S. Venkata Mohan	Carbon capture and product profiling of selenastracean microalgae by mixotrophic cultivation through phycoremediation of wastewater	16.11.2024
56	Varun Kumar (10BB18A25026)	CSIR-NBRI, Lucknow (Biological Sciences)	Indraneel Sanyel	Overexpression of glutaredoxin gene in chickpea (Cicer arietinum L.) for abiotic stress tolerance	16.11.2024
57	Shivangani Mahajan (10CC19A37036)	CSIR-IIIM, Jammu (Chemical Sciences)	Sanghapal D Sawant	Development of synthetic methods based on imidazopyridine scaffold	16.11.2024
58	V Shirisha (10CC18J18005)	CSIR-IICT, Hyderabad (Chemical Sciences)	A. Venugopal	A sustainable route for the synthesis of fuel additives by the conversion of biomass derived levulinic acid over supported Ni catalysts: synthesis, characterization and evaluation	16.11.2024
59	Jadhav Sachin Gajanan (10CC18J26009)	CSIR-NCL, Pune (Chemical Sciences)	Kadhiravan Shanmuganathan (Madan Kumar Singh)	Novel solvent system for cellulose dissolution and regeneration	16.11.2024
60	Amit Kumar Chaudhary (10CC18A32058)	CSIR-NPL, New Delhi (Chemical Sciences)	Mahesh Kumar (Rajiv Kumar Singh)	Investigations on the synthesis, characterization, and ultrafast spectroscopy of 2D material MoS2 and heterostructure with inorganic and organic materials	16.11.2024
61	Srivastava Tanmay Subhash (10CC18A27029)	CSIR-NEERI, Nagpur (Chemical Sciences)	M. Suresh Kumar	Reduction of greenhouse gas emissions from municipal solid waste dumpsites by methanotrophic bacteria	16.11.2024
62	Gaje Singh (10CC19J19003)	CSIR-IIP, Dehradun (Chemical Sciences)	Ankur Bordoloi (Indrajit Kumar Ghosh)	Design and development of heterogeneous catalysts for CO2 hydrogenation to short-chain olefins	16.11.2024
63	Veena Jain (10CC18J22004)	CSIR-IITR, Lucknow (Chemical Sciences)	Somendu Kumar Roy	Development of IL-DLLME-based method for simultaneous analysis of coccidiostats and evaluation of metabolomic perturbation in zebrafish embryo by selected coccidiostat using mass spectrometry	16.11.2024





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64	Sima Gorai (10PP18A28004)	CSIR-NGRI, Hyderabad (Physical Sciences)	Bulusu Sreenivas	Geology and geochemistry of Zawar deposit, Rajasthan, India	26.11.2024
65	Vibhu Darshan (10PP19A39037)	CSIR-NIIST, Thiruvananthapuram (Physical Sciences)	K. N. Narayanan Unni	Functional organic field-effect transistor: role of semiconductor morphology and charge trapping	26.11.2024
66	Kankonkar Harshada Tilu (10PP18A29004)	CSIR-NIO, Goa (Physical Sciences)	Rakhee D. Sinai Khandeparker	Marine bacteria as potential source of biopolymer	26.11.2024
67	Arun Arunima Bala- chandran Kirali (10CC21J26025)	CSIR-NCL, Pune (Chemical Sciences)	Banu Marimuthu	Disposable paper based electrochemical microfluidic sensors for efficient determination of arsenic in water	26.11.2024
88	Shisina S. (10CC18A39019)	CSIR-NIIST, Thiruvananthapuram (Chemical Sciences)	Subrata Das	Structurally modified vanadate phosphors designed for solid-state lighting and pigment applications	26.11.2024
69	Sudalaimani S (10CC20A05018)	CSIR-CECRI, Karaikudi (Chemical Sciences)	K. Giribabu	Electrified liquid-liquid interface strategies for sensing non-redox biomolecules	26.11.2024
70	Kommu Nagesh (10CC20J18019)	CSIR-IICT, Hyderabad (Chemical Sciences)	B.V. Subba Reddy (Ritesh Singh)	Development of novel methodologies for the synthesis of spirobenzoxazine, benzoxazolone and oxindole Derivatives	26.11.2024
71	Dharmendra Singh (10CC18A26044)	CSIR-NCL, Pune (Chemical Sciences)	G.J. Sanjayan	Nature-inspired G-C & G-C-T nucleobase "reactive monomers" suitable for functional polymers and protein bio-conjugation	26.11.2024
72	Sruthi Suresh (10CC18A39020)	CSIR-NIIST, Thiruvananthapuram (Chemical Sciences)	E. Bhoje Gowd	Fabrication of poly(vinylidene fluoride)-based polymer aerogels: structure, properties and applications	26.11.2024
73	Rahul Godiwal (10PP19J32025)	CSIR-NPL, New Delhi (Physical Sciences)	Preetam Singh (Govind)	Development of zinc oxide based thin films and nanostructures for sensing applications	28.11.2024
74	Jyotsna Sharma (10BB20J04006)	CSIR-CDRI, Lucknow (Biological Sciences)	Amit Lahiri	Understanding the role of endoplasmic reticulum - mitochondria contacts in inflammation during ulcerative colitis	28.11.2024
75	Saraf Pooja Nitin (10BB20A64005)	DST-BSIP, Lucknow (Biological Sciences)	Jyoti Srivastava (Francois Munoz)	Species distribution modeling to project the past and future potential habitats based on current distribution of the tropical deciduous forest species in India	28.11.2024
76	Diksha Manhas (10BB19A37018)	CSIR-IIIM, Jammu (Biological Sciences)	Utpal Nandi	Impact of phytochemicals on cytochrome P450 mediated pharmacokinetic modulation of drugs for implication in breast cancer therapy	28.11.2024





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77	Joyashree Dutta (10BB18A38012)	CSIR-NEIST, Jorhat (Biological Sciences)	Mantu Bhuyan	Study on Bio-ecology of Aquilaria malaccensis (Agarwood) and its oil extraction process and oleo chemical characterization of different grades of oil	28.11.2024
78	Nikita Sudarshan (10BB18J04016)	CSIR-CDRI, Lucknow (Biological Sciences)	Md. Sohail Akhtar	Understanding the role of RNA Polymerase II CTD phosphorylation during mRNA transcription	28.11.2024

Associate Director, Academic

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