



ICAR-Indian Agricultural Research Institute, New Delhi - 110012



School-wise List of Mentors and Research areas for ICAR-Post-Doctoral Fellowship (ICAR-PDF) at IARI, New Delhi for 2019-20

(LAST DATE TO RECEIVE THE APPLICATION: SEPTEMBER 2, 2019)

(1) School of Crop Improvement

S. No.	Name of the Mentor and contact details	Research Area
1	Dr. A.K. Singh Head, Division of Genetics Joint Director (Res.) Email: aks_gene@yahoo.com	Rice molecular breeding
2	Dr. D.K. Yadava Head Division of Seed Science and Technology Email: dkygenet@gmail.com	Brassica molecular breeding
3	Dr. Vinod Professor and Principal Scientist, Division of Genetics Email: vinod.genetics@gmail.com	Wheat genetics and molecular mapping
4	Dr. Anju M. Singh Principal Scientist Division of Genetics Email: anju_mahendru@yahoo.co.in	Wheat quality breeding
5	Dr. Firoz Hossain Principal Scientist, Division of Genetics Email: fh_gpb@yahoo.com	Maize molecular breeding
6	Dr. S.K. Lal Principal Scientist, Division of Genetics Email: sklal68@gmail.com	Soybean molecular breeding
7	Dr. Akshay Talukdar Principal Scientist, Division of Genetics Email: akshayassam@yahoo.co.in ; atalukdar@iari.res.in	Soybean molecular breeding
8	Dr. H.K. Dikshit Principal Scientist, Division of Genetics Email: hk_dikshit@rediffmail.com	Mung bean and lentil molecular breeding
9	Dr. R.S. Raje Principal Scientist, Division of Genetics Email: rajers@rediffmail.com ; rsraje@iari.res.in	Pigeon pea breeding

(2) School of Crop Protection

Sl. No.	Name of the Mentor and contact details	Research Area
1	Dr. Uma Rao Head, Division of Nematology Email: umanema@gmail.com ; head_nema@iari.res.in	Molecular plant nematode interactions
2	Dr. Rashmi Aggarwal Head & Principal Scientist Division of Plant Pathology Dean and Joint Director (Edn.) Email: head_patho@iari.res.in ; rashmi.aggarwal2@gmail.com	Fungal Taxonomy Biocontrol agents (Strain improvement & tripartite interaction) Host-Pathogen Interaction
3	Dr. T. Prameela Devi Principal Scientist Division of Plant Pathology Email: prameelancha@yahoo.co.in	
4	Dr. Dinesh Singh Principal Scientist Division of Plant Pathology Email: dinesh_iari@rediffmail.com	
5	Dr. V.K. Baranwal Professor & Principal Scientist Division of Plant Pathology Email: vbaranwal2001@yahoo.com ; professor.plantpath@gmail.com	Molecular Plant Virology
6	Dr. Bikash Mondal Principal Scientist Division of Plant Pathology Email: leafcurl@rediffmail.com	Host factors & RNAi in viral disease management
7	Dr. Kajal Kumar Biswas Principal Scientist Division of Plant Pathology Email: drkkbiswas@yahoo.co.in	
8	Dr. Anil Sirohi Division of Nematology Email: anilsirohi@yahoo.com	RNAi gene silencing
9	Dr. M.R. Khan Professor & Principal Scientist Division of Nematology Email: mrkhan@iari.res.in ; drmrkhanbckv@gmail.com	Nematode taxonomy

10	Dr. Neera Singh Professor, Division of Agricultural Chemicals Email: drneerasingh@yahoo.com	Green methodologies for remediation of contaminated soils and water
11	Dr. Najam Akhtar Shakil Principal Scientist Division of Agricultural Chemicals Email: nashakil@iari.res.in ; iamshakil@gmail.com	1. Development of agro chemicals from synthetic and natural sources 2. Use of nano technology for developing nano formulations
12	Dr. Subhash Chander Professor, Division of Entomology Email: schanderthakur@gmail.com	Modelling and geospatial techniques for analysing climate change impact involving insect pests and their natural enemies
13	Dr. Debjani De Principal Scientist, Division of Entomology Email: ddey@iari.res.in	Taxonomy of agriculturally economically groups of insects

(3) School of Basic Sciences

Sl. No.	Name of the Mentor and contact details	Research Area
1	Dr. Viswanathan Chinnusamy Principal Scientist, Division of Plant Physiology Email: v.chinnusamy@icar.gov.in ; viswa.chinnusamy@gmail.com	Phenomics and genome editing for abiotic stress tolerance of crops
2	Dr. Shelly Praveen Head & Principal Scientist, Division of Biochemistry Email: shellypraveen@hotmail.com ; shelly.parveen@icar.gov.in	Proteomic studies to elucidate nutritional and processibility enhancement in Millets
3	Dr. Archana Sachdev Principal Scientist, Division of Biochemistry Email: arcs_bio@yahoo.com	Study of food matrix in pulses/cereals to enhance protein digestibility
4	Dr. Aruna Tyagi Professor & Principal Scientist, Division of Biochemistry Email: arunatyagibiochem@gmail.com	Enhancement in nutritional quality and oxidative stability by blending of edible oils
5	Dr. Anil Dahuja Principal Scientist, Division of Biochemistry Email: ad_bio@yahoo.com ; anilda@iari.res.in	Enhancing the functionality and bioavailability of bioactive components in food crops using immobilized enzymes and through their nanonization

6	Dr. Madan Pal Singh Professor, Division of Plant Physiology Email: madanpal@yahoo.com	Physiological and molecular basis of climate resilience in crops
7	Dr. Ajay Arora Principal Scientist, Division of Plant Physiology Email: romiarora@yahoo.com	1. Physiological and genetic basis of combined drought and heat tolerance in wheat; 2. Phytohormone interactions during regulation of fruit ripening/plant senescence

(4) School of Horticultural Sciences

Sl. No.	Name of the Mentor and contact details	Research Area
1	Dr. S.S. Sindhu Principal Scientist & Head Division of Floriculture & Landscaping Email: sssindhuiari@gmail.com	1. Development of fragrant inter-specific hybrids in <i>Lilium</i> 2. Development of climate resilience landscape designs through carbon sequestration
2	Dr. B.S. Tomar Head & Principal Scientist, Division of Vegetable Science Email: bst_spu_iari@rediffmail.com	1. Identification of potential candidate genes for YVMV and ELCV resistance in okra through whole genome transcriptomic approach 2. Identification of candidate genomic region for resistance to <i>Fusarium</i> wilt using transcriptomic approach in brinjal
3	Dr. S.K. Singh Principal Scientist & Head, Division of Fruits and Horticultural Technology Email: sanjaydr2@gmail.com	Validation of HV SSRs for parentage analysis in full-sib mango progenies for seeking insight into population structure
4	Dr. Kanwar Pal Singh Principal Scientist & Professor, Division of Floriculture & Landscaping Email: kanwar_iari@yahoo.co.in	In vitro Induction of Double haploid in <i>Tagetes erecta</i> through Androgensis
5	Dr. Namita Sr. Scientist, Division of Floriculture & Landscaping Email: namitabanyal@gmail.com	Identification of genomic regions for fragrance in rose (<i>Rosa × hybrida</i> L.) using Genome Wide Association Mapping (GWAS)
6	Dr. Manish Srivastav Principal Scientist, Division of Fruits and Horticultural Technology Email: mns_fht@rediffmail.com	Molecular-assisted breeding in mango for important horticultural traits.

7	Dr. A.K. Dubey Principal Scientist, Division of Fruits and Horticultural Technology Email: akd67@rediffmail.com	1. Role of next generation growth hormones in mitigating drought and salinity stresses in citrus/mango 2. Understanding of mechanism leading to the inhibition of scion growth in mango by rootstocks.
8	Dr. K. Usha Principal Scientist, Division of Fruits and Horticultural Technology Email: kalidindi.usha3@gmail.com	Characterization of secondary metabolites during plant, pathogen and bio agent interaction for management of mango malformation.
9	Dr. T.K. Behera Professor & Principal Scientist, Division of Vegetable Science Email: tusar@rediffmail.com ; tusariari@gmail.com	Marker assisted breeding for yield and quality improvement in bitter gourd
10	Dr. A.D. Munshi Principal Scientist Division of Vegetable Science Email: anilabhm@yahoo.com	Allele mining for downy mildew (<i>Pseudoperonospora cubensis</i>) resistance in cucumber using genome wide association studies (GWAS).
11	Dr. Ram Asrey Principal Scientist, Division of Food Science and Post harvest Technology Email: ramu_211@yahoo.com	1. Non-polluting post-harvest technologies (biomolecules /nano-particles) for loss reduction and shelf-life extension of fruits & vegetable. 2. Development of low-cost safe ripening aids for banana, mango and papaya as an alternative to calcium carbide

(5) School of Social Sciences

Sl. No.	Name of the Mentor and contact details	Research Area
1	Dr. Premrata Singh Head & Principal Scientist, Division of Agricultural Extension Email: premlataashok@gmail.com	1. Extension Strategies for nutrition sensitive agriculture 2. Management competencies in farmers organisations
2	Dr. R.N. Padaria Professor and Principal Scientist, Division of Agricultural Extension Email: rabi64@gmail.com	1. Socio-economic assessment of innovative extension models and mapping of Institutional innovations 2. Simulation of climate change adaptation and entrepreneurial behaviour
3	Dr. Rashmi Singh Principal Scientist, Division of Agricultural Extension Email: rashmi.iari@gmail.com	1. Entrepreneurship Development in Agriculture 2. Assessment of agri-business and entrepreneurial models
4	Dr. Alka Singh Professor, Division of Agricultural Economics Email: asingh.eco@gmail.com	Agricultural Development and Policy and Farm Management and Resource Economics

5	Dr. Pramod Kumar Principal Scientist, Division of Agricultural Economics Email: pramodiari@gmail.com , pramod_iari@yahoo.co.in	Agricultural Finance and Project Analysis
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(6) School of Natural Resource Management

S,No	Name of the Mentor and contact details	Research Area
1	Dr. K. Annapurna Head, Division of Microbiology Email: annapurna96@yahoo.co.in	Molecular characterization of agriculturally important PGPR
2	Dr. B.S. Dwivedi Head, Division of Soil Science and Agricultural Chemistry Email: bsdwivedi@yahoo.com	Soil health management under conservation agriculture
3	Dr. Indra Mani Head, Division of Agricultural Engineering Email: maniindra99@gmail.com	Sensor based farm mechanization technologies for input efficient agriculture
4	Dr. S.P. Datta Professor and Principal Scientist, Division of Soil Science and Agricultural Chemistry Email: spdatta@iari.res.in	Metal pollution and microbutrients
5	Dr. K.M. Manjaiah Principal Scientist, Division of Soil Science and Agricultural Chemistry Email: manjaiah.math@gmail.com	Nano clay biopolymer complexes for enhancing nitrogen use efficiency
6	Dr. Lata Principal Scientist, Division of Microbiology Email: latarajat@yahoo.co.in	Industrially important microbes
7	Dr. Sunil Pabbi Principal Scientist, Division of Microbiology Email: sunil.pabbi@gmail.com	Cyanobacteria for pigment production
8	Dr. Sangeeta Paul Principal Scientist, Division of Microbiology Email: sangeeta_paul2003@yahoo.co.in	Bioprospecting microbes for abiotic stress tolerance

9	Dr. Radha Prasanna Professor and Principal Scientist, Division of Microbiology Email: radhapr@gmail.com	Cyanobacterial formulations for different crops
10	Dr. Livleen Shukla Principal Scientist, Division of Microbiology Email: lishukla65@gmail.com	Bioremediation and recycling of organic matter
11	Dr. Y.S. Shivay Principal Scientist, Division of Agronomy Email: ysshivay@iari.res.in	Precision Input Management of micronutrients
12	Dr. Shivadhar Misra Principal Scientist, Division of Agronomy Email: drsdmisra@gmail.com	Precision Input Management of nutrients
13	Dr. T.K. Das Professor and Principal Scientist, Division of Agronomy Email: tkdas64@gmail.com	1. Conservation Agriculture 2. Weed dynamics and integrated site specific weed management
14	Dr. V.K. Sehgal Principal Scientist, Division of Agricultural Physics Email: sehgal@iari.res.in	Remote sensing for drought monitoring
15	Dr. D.K. Singh Professor and Principal Scientist, Division of Agricultural Engineering Email: dksingh@iari.res.in	Hydrology characterization of arid and semi-arid region for assessing ground water potential under prevailing and changing climatic conditions
16	Dr. P.K. Sharma Principal Scientist, Division of Agricultural Engineering Email: pk_ageg@iari.res.in	Solar powered storage system for perishable agriculture produce