



LIST OF MENTORS for ICAR-Post-Doctoral Fellowship (ICAR-PDF) at IARI, New Delhi for 2020-21

S. No.	Name of the Mentor and Division	Contact detail	Research area
Agricultural Chemicals			
1.	Dr. Neera Singh Professor and Principal Scientist Division of Agricultural Chemicals	Email: drneerasingh@yahoo.com	Remediation/decontamination strategies for pesticide contaminated soils and water
2.	Dr. Najam Akhtar Shakil Principal Scientist Division of Agricultural Chemicals	Email: nashakil@iari.res.in; iamshakil@gmail.com	Development of agro chemicals from synthetic and natural sources
3.	Dr. Rajesh Kumar Principal Scientist Division of Agricultural Chemicals	Email: rkb1973@gmail.com	Development of agrochemicals
Agricultural Economics			
4.	Dr. Alka Singh Professor and Principal Scientist 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
Agricultural Engineering			
6.	Dr. Indra Mani Head and Principal Scientist Division of Agricultural Engineering	Email: maniindra99@gmail.com	Sensor based farm mechanization technologies for input efficient agriculture
7.	Dr. D.K. Singh Professor and Principal Scientist Division of Agricultural Engineering	Email: dksingh@iari.res.in	Hydrologic characterization for assessing ground water recharge potential. Water resource management
8.	Dr. Adarsh Kumar Principal Scientist Division of Agricultural Engineering	Email: adarsh_iari@rediffmail.com	Ergonomics and safety in agriculture
9.	Dr. Anil Kumar Mishra Principal Scientist, WTC	Email: akm_wtc@iari.res.in; mishranilkumar@gmail.com	Hydrology and watershed management
10.	Dr. A. Sarangi Principal Scientist, WTC	Email: asarangi@iari.res.in	Soil & Water Conservation Engineering
11.	Dr. Neelam Patel Principal Scientist & Incharge CPCT	Email: np_wtc@yahoo.com	Micro-irrigation
12.	Dr. P.K. Sharma	Email: pks_ageg@iari.res.in	Solar powered storage system for

	Principal Scientist Division of Agricultural Engineering		perishable agriculture produce
Agricultural Extension			
13.	Dr. R.N. Padaria Professor and Principal Scientist Division of Agricultural Extension	Email: rabi64@gmail.com	Socio-economic assessment of innovative extension models; Farmer participatory research, and, Climate Change adaptation
14.	Dr. Monika Wason Principal Scientist Division of Agricultural Extension	Email: monikawason@yahoo.com	Gender empowerment
15.	Dr. M.S. Nain Principal Scientist Division of Agricultural Extension	Email: msnain@gmail.com	Agricultural Communication & Entrepreneurship Development
16.	Dr. Rashmi Singh Principal Scientist Division of Agricultural Extension	Email: rashmi.iari@gmail.com	Entrepreneurship Development in Agriculture
Agricultural Physics			
17.	Dr. P. Krishnan Head and Principal Scientist Division of Agricultural Physics	Email: pkrishnan@iari.res.in	Applications of image processing (visual and thermal imaging) and crop simulation modelling in agriculture
18.	Dr. V.K. Sehgal Professor and Principal Scientist Division of Agricultural Physics	Email: vk.sehgal@icar.gov.in	Remote sensing for monitoring of drought and residue burning; Regional surface energy balance and water use.
19.	Dr. Anantha Vashisht Principal Scientist Division of Agricultural Physics	Email: ananthavashishth@iari.res.in	Multistage crop yield estimation using artificial intelligence and crop simulation models
20.	Dr. Debashis Chakraborty National Fellow Division of Agricultural Physics	Email: debashish@iari.res.in	Remote Sensing of soil moisture
21.	Dr. R.N. Sahoo Principal Scientist Division of Agricultural Physics	Email: rnsahoo.iari@gmail.com	Drone and Hyperspectral remote sensing for plant phenotyping and precision farming.
Agronomy			
22.	Dr. T.K. Das Professor and Principal Scientist Division of Agronomy	Email: tkdas64@gmail.com	Conservation Agriculture and Weed Management
23.	Dr. Dinesh Kumar Principal Scientist Division of Agronomy	Email: dineshctt@yahoo.com	Nutrients Management
24.	Dr. K.S. Rana Principal Scientist Division of Agronomy	Email: ksrana@iari.res.in	Dryland Agronomy

25.	Dr. L.K. Idnani Principal Scientist Division of Agronomy	Email: lkidnani@yahoo.com	Irrigation and Water Management
26.	Dr. Shivadhar Misra Principal Scientist Division of Agronomy	Email: drsdmisra@gmail.com	Precision Input Management of nutrients
27.	Dr. Y.S. Shivay Principal Scientist Division of Agronomy	Email: ysshivay@iari.res.in	Precision Input Management of micronutrients
28.	Dr. Y.V. Singh Principal Scientist Division of Microbiology	Email: yvsingh63@yahoo.co.in	Nutrient Management
Biochemistry			
29.	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
30.	Dr. Anil Dahuja Professor and 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
31.	Dr. Archana Sachdev Principal Scientist Division of Biochemistry	Email: arcs_bio@yahoo.com	Study of food matrix in pulses/cereals to enhance protein digestibility
32.	Dr. Aruna Tyagi Principal Scientist Division of Biochemistry	Email: arunatyagibiochem@gmail.com	Enhancement in nutritional quality and oxidative stability by blending of edible oils
Entomology			
33.	Dr. Debjani De Head, Division of Entomology	Email: ddey@iari.res.in	Taxonomy of agriculturally economically groups of insects
34.	Dr. Subhash Chander Professor and Principal Scientist Division of Entomology	Email: schanderthakur@gmail.com	Modelling and geospatial techniques for analysing climate change impact involving insect pests and their natural enemies
35.	Dr. Bishwajeet Paul Principal Scientist Division of Entomology	Email: bishwajeet_paul@yahoo.com	Semiochemical Studies of natural enemies of insects
Environmental Sciences (CESCRA)			
36.	Dr. Bhupinder Singh Head CESCRA and Principal Scientist	Email: bhupindersinghiari@yahoo.com	Omics and radiological approaches for elucidating the pathways associated with micronutrient efficiency under deficiency and defense against PM and gaseous air pollutants.
37.	Dr. S. Naresh Kumar Professor & Principal Scientist CESCRA	Email: nareshkumar.soora@gmail.com	Simulation modeling and geospatial analysis for climatic risk management in agroecosystems
38.	Dr. Anita Chaudhary Principal Scientist CESCRA	Email: anita_envr@iari.res.in	Microorganisms role in climate resilient agriculture, waste management and mitigating environmental pollution
39.	Dr. Arti Bhatia	Email: ab.ensc@iari.res.in	Greenhouse gas mitigation,

	Principal Scientist CESCRA		measurement and modelling
40.	Dr.Navindu Gupta Principal Scientist CESCRA	Email: guptanavindu@rediffmail.com	Biomass waste conversion technologies for bio-energy and recycling of agriculturally important nutrients
41.	Dr.Shakeel Ahmad Khan Senior Scientist CESCRA	Shakeel.khan@icar.gov.in	Biorefinery approach to phycoremediate the wastewater for irrigation use; extraction of lipids and production of biofertilizers.
Floriculture and Landscape Architecture			
42.	Dr. S.S. Sindhu Head and Principal Scientist Division of Floriculture & Landscaping	Email: sssindhuiari@gmail.com	Development of fragrant inter-specific hybrids in Lilium
43.	Dr. Kanwar Pal Singh Professor and Principal Scientist Division of Floriculture & Landscaping	Email: kanwar_iari@yahoo.co.in	Induction of doubled haploids in marigold.
44.	Dr. Krishan Pal Singh Principal Scientist Division of Floriculture & Landscaping	Email: kpsingh_dfr@gmail.com	Floriculture- improvement production and post harvest
45.	Dr. Namita Sr. Scientist Division of Floriculture & Landscaping	Email: namitabanyaliari@gmail.com namita_fls@iari.res.in	<i>In-vitro</i> Mutagenesis in Rose (<i>Rosa ×hybrida</i> L.) for Novel Traits
Fruit Science & Horticultural Technology			
46.	Dr. S.K. Singh Head and Principal Scientist 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
47.	Dr. A.K. Dubey Principal Scientist Division of Fruits and Horticultural Technology	Email: akd67@rediffmail.com	Role of next generation growth hormones in mitigating drought and salinity stresses in citrus/mango
48.	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.
49.	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.
Genetics			
50.	Dr. A.K. Singh Director, IARI	Email: aks_gene@yahoo.com	Rice molecular breeding
51.	Dr. Vinod Professor and Principal Scientist	Email: vinod.genetics@gmail.com	Wheat genetics and molecular mapping

	Division of Genetics		
52.	Dr.Akshay Talukdar Principal Scientist Division of Genetics	Email: akshayassam@yahoo.co.in; atalukdar@iari.res.in	Soybean molecular breeding
53.	Dr. Anju M. Singh Principal Scientist Division of Genetics	Email: anju_mahendru@yahoo.co.in	Wheat quality breeding
54.	Dr.Firoz Hossain Principal Scientist Division of Genetics	Email: fh_gpb@yahoo.com	Maize molecular breeding
55.	Dr. H.K. Dikshit Principal Scientist Division of Genetics	Email: hk_dikshit@rediffmail.com	Mung bean and lentil molecular breeding
56.	Dr. R.N. Gadag Principal Scientist Division of Genetics	Email: rn_gadag@yahoo.com; rngadag@iari.res.in	Maize molecular breeding
57.	Dr. R.S. Raje Principal Scientist Division of Genetics	Email: rajers@rediffmail.com; rsraje@iari.res.in	Pigeon pea breeding
58.	Dr. S.K. Lal Principal Scientist Division of Genetics	Email: sklal68@gmail.com	Soybean molecular breeding
Microbiology			
59.	Dr.Radha Prasanna Professor and Principal Scientist Division of Microbiology	Email: radhapr@gmail.com	Cyanobacteria-plant interactions for sustainable nutrient management
60.	Dr.Livleen Shukla Principal Scientist Division of Microbiology	Email: lshukla65@gmail.com	Microbial diversity and community changes during decomposition of paddy straw
61.	Dr. Sangeeta Paul Principal Scientist Division of Microbiology	Email: sangeeta_paul2003@yahoo.co.in	Plant-microbe interaction under abiotic stress tolerance
62.	Dr. Sunil Pabbi Principal Scientist Division of Microbiology	Email: sunil.pabbi@gmail.com	Cyanobacteria for pigments and biomolecules production.
63.	Dr. B. Ramakrishnan Principal Scientist Division of Microbiology	Email: ramakrishnanbala@yahoo.com	Soil-Plant Microbiomes and their applications in rice-wheat cropping system.
Nematology			
64.	Dr.M.R. Khan Professor & Principal Scientist Division of Nematology	Email: mrkhan@iari.res.in; drmrkhanbckv@gmail.com	Nematode Biosystematics and Management
65.	Dr.Anil Sirohi Principal Scientist Division of Nematology	Email: anilsirohi@yahoo.com	RNAi gene silencing
66.	Dr.Anju Kamra Principal Scientist Division of Nematology	Email: anjukamra@yahoo.com	Biocontrol of nematodes
67.	Dr.Sharad Mohan Principal Scientist Division of Nematology	Email: sharad@iari.res.in	Entomopathogenic nematode-based formulation for insect pest management and allelopathic interactions with plant-parasitic

			nematodes
Plant Pathology			
68.	Dr. Rashmi Aggarwal Head Division of Plant Pathology & Dean and Joint Director (Edn.)	Email: head_patho@iari.res.in ; rashmi.agggarwal2@gmail.com	Biocontrol agents (Strain improvement & tripartite interaction) Fungal molecular host-Pathogen Interaction; Fungal genomics
69.	Dr. V.K. Baranwal Professor & Principal Scientist Division of Plant Pathology	Email: vbaranwal2001@yahoo.com ; professor.plantpath@gmail.com	Molecular Plant Virology, Virome analysis through deep sequencing, Virus disease management
70.	Dr. Bikash Mondal Principal Scientist Division of Plant Pathology	Email: leafcurl@rediffmail.com	Host factors & RNAi in viral disease management
71.	Dr G.P Rao Principal Scientist Division of Plant Pathology	Email: gprao_gor@rediffmail.com	Molecular characterization of Phytoplasma and viruses of cereals
72.	Dr. Dinesh Singh Principal Scientist Division of Plant Pathology	Email: dinesh_iari@rediffmail.com	Biocontrol agents Bacterial Host-Pathogen Interaction
73.	Dr. Kajal Kumar Biswas Principal Scientist Division of Plant Pathology	Email: drkkbiswas@yahoo.co.in	Host factors & RNAi in viral disease management
74.	Dr. Parimal Sinha Principal Scientist Division of Plant Pathology	Email: sinpari@rediffmail.com	Epidemiology and disease modelling
75.	Dr. T. Prameela Devi Principal Scientist Division of Plant Pathology	Email: prameelancha@yahoo.co.in	Fungal Taxonomy
76.	Dr. Robin Gogoi Principal Scientist Division of Plant Pathology	Email: r.gogoi@rediffmail.com	Disease management
77.	Dr. Aundy Kumar Principal Scientist Division of Plant Pathology	Email: kumar@iari.res.in	Bacteriology and microbiome
78.	Dr. V. Shanmugam Principal Scientist Division of Plant Pathology	Email: shanpatho@yahoo.com	Host-pathogen interaction
79.	Dr. Anirban Roy Principal Scientist Division of Plant Pathology	Email: anirbanroy75@yahoo.com	Molecular plant virology, host-virus interaction, management of plant viruses through RNAi and genome editing
Plant Physiology			
80.	Dr. Viswanathan Chinnusamy Head (A) & Principal Scientist Division of Plant Physiology	Email: v.chinnusamy@icar.gov.in ; viswa.chinnusamy@gmail.com	High throughput phenotyping, Phenomics and genome editing for abiotic stress tolerance of crops
81.	Dr. Madan Pal Singh Professor and Principal Scientist Division of Plant Physiology	Email: madanpal@yahoo.com	Phenotyping and physiological basis of heat stress tolerance in rice
82.	Dr. Ajay Arora	Email: romiarora@yahoo.com ;	Phytohormones and the

	Principal Scientist Division of Plant Physiology	ajayarora@iari.res.in	regulation of abiotic stress tolerance in plants
Post Harvest Technology			
83.	Dr. V.R. Sagar Head and Principal Scientist Division of Food Science & Postharvest Technology	Email: vrsagar_pht@iari.res.in	Development of osmotic dehydrated products from fruits
84.	Dr. S.K. Jha Professor and Principal Scientist Division of Food Science & Postharvest Technology	Email: sk_ageg@iari.res.in; skj.agengg@gmail.com	Extrusion processing to develop innovative food product
85.	Dr. Abhijit Kar Principal Scientist Division of Food Science and Post harvest Technology	Email:abhijit8366@gmail.com	Micro/Nano encapsulation of bioactive compounds using novel encapsulates
86.	Dr. Charanjit Kaur Principal Scientist Division of Food Science and Post harvest Technology	Email: charanjitkaur6@gmail.com	Antioxidants in fruits and vegetables
87.	Dr. Ram Asrey Principal Scientist Division of Food Science and Post harvest Technology	Email: ramu_211@yahoo.com	Non-polluting post-harvest technologies (biomolecules /nano-particles) for loss reduction and shelf-life extension of fruits & vegetable.
88.	Dr. R.R. Sharma Principal Scientist Division of Food Science and Post harvest Technology	Email:rrs_fht@rediffmail.com	Use of Safe Approaches for postharvest management of fruits
89.	Dr. ShrutiSethi Principal Scientist Division of Food Science and Post harvest Technology	Email: docsethi@gmail.com	Nutritional enrichment and stabilization of minimally processed horti produce through infusion technique
Seed Science and Technology			
90.	Dr. D.K. Yadava Head, Division of Seed Science and Technology&ADG (Seeds), ICAR	Email: dkygenet@gmail.com	Development of molecular markers for seed cot colour in <i>Brassica juncea</i>
91.	Dr. V.K. Pandita Head, IARI Regional Station Karnal	Email: head_karnal@iari.res.in	Seed production and quality enhancement
92.	Dr. Monika Atul Joshi Principal Scientist Division of Seed Science and Technology	Email: monika_sst@iari.res.in	Development of digital technology and machine vision solutions for seed quality assessment and establishing varietal distinctness in crop varieties
93.	Dr. Shiv Kumar Yadav Principal Scientist Division of Seed Science and Technology	Email: skysst@gmail.com	Development of hybrid seed production technology and seed quality enhancement
94.	Dr.SudiptaBasuBhaumik Principal Scientist	Email: sudipta_basu@yahoo.com	Molecular studies on early seedling vigour traits

	Division of Seed Science and Technology		
Soil Science and Agricultural Chemistry			
95.	Dr. B.S. Dwivedi Head and Principal Scientist Division of Soil Science and Agricultural Chemistry	Email: bsdwivedi@yahoo.com	Soil health management under conservation agriculture
96.	Dr. S.P. Datta Professor and Principal Scientist Division of Soil Science and Agricultural Chemistry	Email: spdatta@iari.res.in	Risk assessment and remediation of metal and metalloid polluted soils. Management of micronutrient in soil-plant-human continuum
97.	Dr. K.M. Manjaiah Principal Scientist Division of Soil Science and Agricultural Chemistry Associate Dean, PG School	Email: manjaiah.km@icar.gov.in ; associatedean@iari.res.in	Nano clay biopolymer complexes for enhancing nutrient use efficiency; Modified clays for remediation of heavy metal contaminated soils and waters
98.	Dr. D.R. Biswas Principal Scientist Division of Soil Science and Agricultural Chemistry	Email: drb_ssac@yahoo.com	Recycling of wastes and utilization of indigenous low-grade P and K minerals like rock phosphate and waste mica as alternate sources of P and K fertilizers
99.	Dr. Nayan Ahmed Principal Scientist Division of Soil Science and Agricultural Chemistry	Email: nayan@yahoo.com	Pedogenesis of soils; Soil geochemistry, Soil resource/ degradation mapping using remote sensing, Hyperspectral remote sensing, Spatial variability of soils.
100.	Dr. R.N. Pandey Principal Scientist Division of Soil Science and Agricultural Chemistry	Email: rnpandeyssaciari@rediffmail.com	Improvement in soil chemical environment forenhancing nutrient supplying in soil plant continuum
101.	Dr. T.J. Purakayastha Principal Scientist Division of Soil Science and Agricultural Chemistry	Email: tpurakayastha@iari.res.in	Soil carbon sequestration; Soil quality assessment; Phytoremediation of heavy metal contaminated soil
Vegetable Science			
102.	Dr. B.S. Tomar Head & Principal Scientist Division of Vegetable Science	Email: bst_spu_iari@rediffmail.com	Identification of potential candidate genes for YMV and ELCV resistance in okra through whole genome transcriptomic approach
103.	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
104.	Dr. A.D. Munshi Principal Scientist Division of Vegetable Science	Email: anilabhm@yahoo.com	Allele mining for downy mildew (<i>Pseudoperonosporacubensis</i>) resistance in cucumber using genome wide association studies (GWAS).
105.	Dr. Rajkumar Principal Scientist	Email: rajkumar@iari.res.in	Introgression and mapping of resistance to leaf curl disease

	Division of Vegetable Science		from wild species in sweet pepper
106.	Dr. Shri Dhar Principal Scientist Division of Vegetable Science	Email: shridhar60@hotmail.com; shridhar@iari.res.in	Genetics of powdery mildew resistance in garden pea. Genetics of yield traits and characterisation of pod quality in dolichos bean.
Water Science and Technology			
107.	Dr. Man Singh Project Director & Professor Water Technology Centre	Email:pd_wtc@iari.res.in; mansingh61@ymail.com	Irrigation and Drainage Engineering, Micro-Irrigation, Water Management in Agriculture
108.	Dr. Manoj Khanna Principal Scientist, WTC	Email: mkhanna@iari.res.in	Precision Irrigation, Drought Monitoring, Water Resources Management
109.	Dr. Ravinder Kaur Principal Scientist, WTC	Email: rk132.iari@gmail.com	Use of Waste Water, Re-cycling of Poor Quality Water, Phytoremediation of Municipal Water