ICAR-Indian Agricultural Research Institute, New Delhi - 110012

LIST OF MENTORS for ICAR-Post-Doctoral Fellowship 2021-22 (ICAR-PDF) at IARI, New Delhi

S. No.	Name of the Mentor and Division	Email	Research area
Agricultural Chemicals			
1.	Dr. Neera Singh Professor and Principal Scientist Division of Agricultural Chemicals	drneerasingh@yahoo.com	Low cost remediation/ decontamination strategies for pesticides
2.	Dr. Suman Gupta Principal Scientist Division of Agricultural Chemicals	drsumangupta2002@yahoo.com	Assessment, quantification and mitigation of contaminants in the environment
3.	Dr. Najam Akhtar Shakil Principal Scientist Division of Agricultural Chemicals	nashakil@iari.res.in; iamshakil@gmail.com	Development of agro chemicals from synthetic and natural sources
4.	Dr. Rajesh Kumar Principal Scientist Division of Agricultural Chemicals	rkb1973@gmail.com	Development of agrochemicals
Agricultural Economics			
5.	Dr. Alka Singh Professor and Principal Scientist Division of Agricultural Economics	asingh.eco@gmail.com	Agricultural Development and Policy and Farm Management and Resource Economics
6.	Dr. Pramod Kumar Principal Scientist Division of Agricultural Economics	pramodiari@gmail.com; pramod_iari@yahoo.co.in	Agricultural Finance and Project Analysis
Agricultural Engineering			
7.	Dr. Indra Mani Head and Principal Scientist Division of Agricultural Engineering	maniindra99@gmail.com	Sensor based farm mechanization technologies for input efficient agriculture
8.	Dr. D.K. Singh Professor and Principal Scientist Division of Agricultural Engineering	dksingh@iari.res.in	Hydrologic characterization for assessing ground water recharge potential. Water resource management
9.	Dr. Adarsh Kumar Principal Scientist Division of Agricultural Engineering	adarsh_iari@rediffmail.com	Ergonomics and safety in agriculture
10.	Dr. Anil Kumar Mishra Principal Scientist, WTC	akm_wtc@iari.res.in; mishranilkumar@gmail.com	Hydrology and watershed management
11.	Dr. A. Sarangi Principal Scientist, WTC	asarangi@iari.res.in	Soil & Water Conservation Engineering

12.	Dr. P.K. Sharma Principal Scientist Division of Agricultural Engineering	pks_ageg@iari.res.in	Solar powered storage system for perishable agriculture produce
Agricultural Extension			
13.	Dr. R.N. Padaria Professor and Principal Scientist Division of Agricultural Extension	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	monikawason@yahoo.com	Gender empowerment
15.	Dr. M.S. Nain Principal Scientist Division of Agricultural Extension	msnain@gmail.com	Agricultural Communication & Entrepreneurship Development
16.	Dr. Rashmi Singh Principal Scientist Division of Agricultural Extension	rashmi.iari@gmail.com	Entrepreneurship Development in Agriculture
Agricultural Physics			
17.	Dr. P. Krishnan Head and Principal Scientist Division of Agricultural Physics	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	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	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	debashish@iari.res.in	Remote Sensing of soil moisture
21.	Dr. R.N. Sahoo Principal Scientist Division of Agricultural Physics	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	tkdas64@gmail.com	Conservation Agriculture and Weed Management
23.	Dr. Dinesh Kumar Principal Scientist Division of Agronomy	dineshctt@yahoo.com	Nutrients Management

24.	Dr. K.S. Rana Principal Scientist Division of Agronomy	ksrana@iari.res.in	Dryland Agronomy
25.	Dr. Shivadhar Misra Principal Scientist Division of Agronomy	drsdmisra@gmail.com	Precision Input Management of nutrients
26.	Dr. Y.S. Shivay Principal Scientist Division of Agronomy	ysshivay@iari.res.in	Precision Input Management of micronutrients
27.	Dr. Y.V. Singh Principal Scientist Division of Microbiology	yvsingh63@yahoo.co.in	Nutrient Management
Biochemistry			
28.	Dr. Shelly Praveen Head & Principal Scientist Division of Biochemistry	shellypraveen@hotmail.com; shelly.parveen@icar.gov.in	Proteomic studies to elucidate nutritional and processibility enhancement in Millets
29.	Dr. Anil Dahuja Professor and Principal Scientist Division of Biochemistry	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
30.	Dr. Aruna Tyagi Principal Scientist Division of Biochemistry	arunatyagibiochem@gmail.com	Enhancement in nutritional quality and oxidative stability by blending of edible oils Physio-biochemical and molecular basis of drought stress in rice
Entomology			
31.	Dr. Debjani De Head, Division of Entomology	ddey@iari.res.in	Taxonomy of agriculturally economically groups of insects
32.	Dr. S. Subramanian Principal Scientist Division of Entomology	subramanian@iari.res.in, entosubra@yahoo.co.in	Molecular characterization of insect endosymbionts
33.	Dr. Bishwajeet Paul Principal Scientist Division of Entomology	bishwajeet_paul@yahoo.com	Semiochemical Studies of natural enemies of insects
Environmental Science			
34.	Dr. Bhupinder Singh Head, Env. Science and Principal Scientist	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.
35.	Dr. S. Naresh Kumar Professor & Principal Scientist	nareshkumar.soora@gmail.com	Simulation modeling and geospatial analysis for climatic risk management in agroecosystems
36.	Dr. K. Usha Principal Scientist	kalidindi.usha3@gmail.com	Microbial degradation and valorization of plastic wastes
37.	Dr. Anita Chaudhary Principal Scientist	anita_envr@iari.res.in	Microorganisms role in climate resilient agriculture, waste management and Food microbiology
38.	Dr. Navindu Gupta Principal Scientist	guptanavindu@rediffmail.com	Biomass waste conversion technologies for bio-energy and recycling of agriculturally important nutrients

39.	Dr. Shiv Prasad Principal Scientist	shiv _drprasad@yahoo.co.in	Conversion biomass to biofuels, GHG and air pollution monitoring
40.	Dr. Arti Bhatia Principal Scientist	ab.ensc@iari.res.in	Greenhouse gas mitigation, measurement and modelling
41.	Dr. Shakeel Ahmad Khan, Principal Scientist	shakeel.khan@icar.gov.in; shakeel_iari@yahoo.com	Remediation of pollution and Impact assessment of air pollution on crops
Floriculture and Landscape Architecture			
42.	Dr. S.S. Sindhu Head and Principal Scientist Division of Floriculture & Landscaping	sssindhuiari@gmail.com	Development of fragrant inter-specific hybrids in Lilium
43.	Dr. Kanwar Pal Singh Professor and Principal Scientist Division of Floriculture & Landscaping	kanwar_iari@yahoo.co.in	Induction of doubled haploids in marigold.
44.	Dr. Krishan Pal Singh Principal Scientist Division of Floriculture & Landscaping	kpsingh_dfr@gmail.com	Floriculture- improvement production and post harvest
45.	Dr. Namita Sr. Scientist Division of Floriculture & Landscaping	namitabanyaliari@gmail.com namita_fls@iari.res.in	*In-vitro* Mutagenesis in Rose (*Rosa × hybrida* L.) for Novel Traits
Fruit Science & Horticultural Technology			
46.	Dr. S.K. Singh Head and Principal Scientist Division of Fruits and Horticultural Technology	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	akd67@rediffmail.com	Role of next generation growth hormones in mitigating drought and salinity stresses in citrus/mango
48.	Dr. Manish Srivastav Principal Scientist Division of Fruits and Horticultural Technology	mns_fht@rediffmail.com	Molecular-assisted breeding in mango for important horticultural traits.
Genetics			
49.	Dr. A.K. Singh Director, IARI	aks_gene@yahoo.com	Rice molecular breeding
50.	Dr. Vinod Professor and Principal Scientist Division of Genetics	vinod.genetics@gmail.com	Wheat genetics and molecular mapping
51.	Dr. Akshay Talukdar Principal Scientist Division of Genetics	akshayassam@yahoo.co.in; atalukdar@iari.res.in	Soybean molecular breeding
52.	Dr. Anju M. Singh Principal Scientist Division of Genetics	anju_mahendru@yahoo.co.in	Wheat quality breeding
53.	Dr. Firoz Hossain Principal Scientist Division of Genetics	fh_gpb@yahoo.com	Maize molecular breeding

54.	Dr. H.K. Dikshit Principal Scientist Division of Genetics	hk_dikshit@rediffmail.com	Mung bean and lentil molecular breeding
55.	Dr. R.N. Gadag Principal Scientist Division of Genetics	rn_gadag@yahoo.com; rngadag@iari.res.in	Maize molecular breeding
56.	Dr. R.S. Raje Principal Scientist Division of Genetics	rajers@rediffmail.com; rsraje@iari.res.in	Pigeon pea breeding
57.	Dr. S.K. Lal Principal Scientist Division of Genetics	sklal68@gmail.com	Soybean molecular breeding
Microbiology			
58.	Dr. Sunil Pabbi Principal Scientist Division of Microbiology	sunil.pabbi@gmail.com	Cyanobacteria for pigments and biomolecules production.
59.	Dr. Radha Prasanna Professor and Principal Scientist Division of Microbiology	radhapr@gmail.com	Cyanobacteria-plant interactions for sustainable nutrient management
60.	Dr. Livleen Shukla Principal Scientist Division of Microbiology	lshukla65@gmail.com	Microbial diversity and community changes during decomposition of paddy straw
61.	Dr. Sangeeta Paul Principal Scientist Division of Microbiology	sangeeta_paul2003@yahoo.co.in	Plant-microbe interaction under abiotic stress tolerance
62.	Dr. B. Ramakrishnan Principal Scientist Division of Microbiology	ramakrishnanbala@yahoo.com	Soil-Plant Microbiomes and their applications in rice-wheat cropping system.
Nematology			
63.	Dr. M.R. Khan Professor & Principal Scientist Division of Nematology	mrkhan@iari.res.in; drmrkhanbckv@gmail.com	Nematode Biosystematics and Management
64.	Dr. Anil Sirohi Principal Scientist Division of Nematology	anilsirohi@yahoo.com	RNAi gene silencing
65.	Dr. Anju Kamra Principal Scientist Division of Nematology	anjukamra@yahoo.com	Biocontrol of nematodes
66.	Dr. Sharad Mohan Principal Scientist Division of Nematology	sharad@iari.res.in	Entomopathogenic nematode-based formulation for insect pest management and allelopathic interactions with plant-parasitic nematodes
Plant Pathology			
67.	Dr. Rashmi Aggarwal Head, Division of Plant Pathology & Dean and Joint Director (Edn.)	head_patho@iari.res.in; rashmi.aggarwal2@gmail.com	Biocontrol agents (Strain improvement & tripartite interaction) Fungal molecular host-Pathogen Interaction; Fungal genomics
68.	Dr. V.K. Baranwal Professor & Principal Scientist Division of Plant Pathology	vbaranwal2001@yahoo.com; professor.plantpath@gmail.com	Molecular Plant Virology, Virome analysis through deep sequencing, Virus disease management

69.	Dr. Bikash Mondal Principal Scientist Division of Plant Pathology	leafcurl@rediffmail.com	Host factors & RNAi in viral disease management
70.	Dr. G.P Rao Principal Scientist Division of Plant Pathology	gprao_gor@rediffmail.com	Molecular characterization of Phytoplasma and viruses of cereals
71.	Dr. Dinesh Singh Principal Scientist Division of Plant Pathology	dinesh_iari@rediffmail.com	Biocontrol agents Bacterial Host-Pathogen Interaction
72.	Dr. Kajal Kumar Biswas Principal Scientist Division of Plant Pathology	drkkbiswas@yahoo.co.in	Host factors & RNAi in viral disease management
73.	Dr. Parimal Sinha Principal Scientist Division of Plant Pathology	sinpari@rediffmail.com	Epidemiology and disease modelling
74.	Dr. T. Prameela Devi Principal Scientist Division of Plant Pathology	prameelancha@yahoo.co.in	Fungal Taxonomy
75.	Dr. Robin Gogoi Principal Scientist Division of Plant Pathology	r.gogoi@rediffmail.com	Disease management
76.	Dr. Aundy Kumar Principal Scientist Division of Plant Pathology	kumar@iari.res.in	Bacteriology and microbiome
77.	Dr. V.Shanmugam Principal Scientist Division of Plant Pathology	shanpatho@yahoo.com	Host-pathogen interaction
78.	Dr. Anirban Roy Principal Scientist Division of Plant Pathology	anirbanroy75@yahoo.com	Molecular plant virology, host-virus interaction, management of plant viruses through RNAi and genome editing
Plant Physiology			
79.	Dr. Viswanathan Chinnusamy Head (A) & Principal Scientist Division of Plant Physiology	v.chinnusamy@icar.gov.in; viswa.chinnusamy@gmail.com	High throughput phenotyping, Phenomics and genome editing for abiotic stress tolerance of crops
80.	Dr. Madan Pal Singh Professor and Principal Scientist Division of Plant Physiology	madanpal@yahoo.com	Phenotyping and physiological basis of heat stress tolerance in rice
81.	Dr. Ajay Arora Principal Scientist Division of Plant Physiology	romiarora@yahoo.com; ajayarora@iari.res.in	Phytohormones and the regulation of abiotic stress tolerance in plants
82.	Dr. Renu Pandey Principal Scientist Division of Plant Physiology	renu_iari@rediffmail.com, renu_pphy@iari.res.in	Field phenotyping, physiological, and molecular mechanism of nutrient stress tolerance in crop plants
Post Harvest Technology			
83.	Dr. V.R. Sagar Head and Principal Scientist Division of Food Science & Postharvest Technology	vrsagar_pht@iari.res.in	Development of osmotic dehydrated products from fruits

84.	Dr. Abhijit Kar Principal Scientist Division of Food Science and Post harvest Technology	abhijit8366@gmail.com	Micro/Nano encapsulation of bioactive compounds using novel encapsulates
85.	Dr. Charanjit Kaur Principal Scientist Division of Food Science and Post harvest Technology	charanjitkaur6@gmail.com	Antioxidants in fruits and vegetables
86.	Dr. Ram Asrey Principal Scientist Division of Food Science and Post harvest Technology	ramu_211@yahoo.com	Non-polluting post-harvest technologies (biomolecules /nano-particles) for loss reduction and shelf-life extension of fruits & vegetable.
87.	Dr. Shruti Sethi Principal Scientist Division of Food Science and Post harvest Technology	docsethi@gmail.com	Nutritional enrichment and stabilization of minimally processed horti produce through infusion technique
Seed Science and Technology			
88.	Dr. V.K. Pandita Head, IARI Regional Station Karnal	head_karnal@iari.res.in	Seed production and quality enhancement
89.	Dr. Shiv Kumar Yadav Principal Scientist Division of Seed Science and Technology	skysst@gmail.com	Development of hybrid seed production technology and seed quality enhancement
90.	Dr. Sudipta Basu Bhaumik Principal Scientist Division of Seed Science and Technology	sudipta_basu@yahoo.com	Novel approaches for seed quality enhancement and understanding mechanism of early seed vigour traits
91.	Dr. Monika Atul Joshi Principal Scientist Division of Seed Science and Technology	monika_sst@iari.res.in	Development of digital technology and machine vision solutions for seed quality assessment and establishing varietal distinctness in crop varieties
Soil Science and Agricultural Chemistry			
92.	Dr. R.N. Pandey Principal Scientist Division of Soil Science and Agricultural Chemistry	rnpandeyssaciari@rediffmail.com	Improvement in soil chemical environment for enhancing nutrient supplying in soil plant continuum
93.	Dr. S.P. Datta Professor and Principal Scientist Division of Soil Science and Agricultural Chemistry	spdatta@iari.res.in	Risk assessment and remediation of metal and metalloid polluted soils. Management of micronutrient in soil-plant-human continuum
94.	Dr. K.M. Manjaiah Principal Scientist Division of Soil Science and Agricultural Chemistry Associate Dean, PG School	associatedean@iari.res.in; manjaiah.math@gmail.com	Nano clay biopolymer complexes for enhancing nutrient use efficiency; Modified clays for remediation of heavy metal contaminated soils and waters; Carbon and nitrogen dynamics in soils
95.	Dr. D.R. Biswas Principal Scientist Division of Soil Science and Agricultural Chemistry	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

96.	Dr. Nayan Ahmed Principal Scientist Division of Soil Science and Agricultural Chemistry	nayan@yahoo.com	Pedogenesis of soils; Soil geochemistry, Soil resource/ degradation mapping using remote sensing, Hyper-spectral remote sensing, Spatial variability of soils
97.	Dr. T.J. Purakayastha Principal Scientist Division of Soil Science and Agricultural Chemistry	tpurakayastha@iari.res.in	Soil carbon sequestration; Soil quality assessment; Phytoremediation of heavy metal contaminated soil
Vegetable Science			
98.	Dr. B.S. Tomar Head & Principal Scientist Division of Vegetable Science	bst_spu_iari@rediffmail.com	Identification of potential candidate genes for YVMV and ELCV resistance in okra through whole genome transcriptomic approach
99.	Dr. A.D. Munshi Principal Scientist Division of Vegetable Science	anilabhm@yahoo.com	Allele mining for downy mildew (*Psudoperonospora cubensis*) resistance in cucumber using genome wide association studies (GWAS).
100.	Dr. Rajkumar Principal Scientist Division of Vegetable Science	rajkumar@iari.res.in	Introgression and mapping of resistance to leaf curl disease from wild species in sweet pepper
101.	Dr. Shri Dhar Principal Scientist Division of Vegetable Science	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			
102.	Dr. Man Singh Project Director & Professor Water Technology Centre	pd_wtc@iari.res.in; mansingh61@ymail.com	Irrigation and Drainage Engineering, Micro-Irrigation, Water Management in Agriculture
103.	Dr. Ravinder Kaur Principal Scientist, WTC	rk132.iari@gmail.com	Use of Waste Water, Re-cycling of Poor Quality Water, Phytoremediation of Municipal Water
104.	Dr. Manoj Khanna Principal Scientist, WTC	mkhanna@iari.res.in	Precision Irrigation, Drought Monitoring, Water Resources Management