




भातुअनुप - राषुटीय डेरी अनुसंधान संस्थान
ICAR-NATIONAL DAIRY RESEARCH INSTITUTE
 मानित विश्वविद्यालय
 DEEMED UNIVERSITY
 करनाल (हरियाणा)-१३२००१
 KARNAL (HARYANA)-132001
 (AN ISO-9001:2008 CERTIFIED INSTITUTE)



Department-wise List of Mentors and Research areas for ICAR-Post-
 Doctoral Fellowship (ICAR-PDF) at NDRI, Karnal
2019-20

(Last date to receive the application: **November 15, 2019**)

ICAR-National Dairy Research Institute Karnal – 132001		
Dairy Microbiology		
Sr. No.	Name of the Mentor and Contact details	Research Area
1.	Dr. Naresh Kumar, P.S. Microbial Biosensors, Food Safety & Quality Assurance Laboratory Email: nrshgoyal@yahoo.com	Biosensor and bio-analytical micro-techniques for rapid assessment of quality and safety of dairy food.
Dairy Chemistry		
2.	Dr. Bimlesh Mann, P.S. & Head Dairy Chemistry Division E-mail: bimleshmann@gmail.com	Encapsulation of bioactive components for functional foods.
3.	Dr. Raman Seth, P.S. Dairy Chemistry Division Email: ramanseth123@yahoo.co.in	Quality and Safety of Milk and Milk Products.
4.	Dr. Rajesh Kumar, P.S. Dairy Chemistry Division Email: rajesh.kumar4@icar.gov.in	Milk proteins and bioactive peptides.
5.	Dr. Rajan Sharma, P.S. Dairy Chemistry Division Email: rajansharma21@gmail.com	Biosensor and analytical techniques for detection of contaminants and adulterants.
Dairy Technology		
6.	Dr. A. K. Singh, P.S. Dairy Technology Division Email: aksndri@gmail.com	Functional Dairy products (milk based functional food and nutraceuticals), Composite Dairy Products (integration of non dairy components) and Value added products from non-bovine milk.

7.	Dr. Kaushik Khamrui , P.S. Dairy Technology Division Email: kkhamrui@gmail.com	Traditional Indian dairy products, sensory evaluation of milk and milk products.
Animal Bio-chemistry		
8.	Dr. Dheer Singh , P.S. & Head Animal Bio-chemistry Division Email: drdheer.singh@gmail.com	Genetic & Epigenetic regulation and functional characterization of trait (e.g. Fertility), genes during different pathophysiology. Non-invasive estrus biology and biomarker discovery. Milk exosome nano-biotechnology & functional validation of dietary (milk) bioactive miRNA.
9.	Dr. Gautam Kaul , P.S. Animal Bio-chemistry Division Email: gkndri@gmail.com	Encapsulation process for delivery of nutraceuticals / bioactive components in functional (probiotics) dairy food development.
10.	Dr. Rajeev Kapila , P.S. Animal Bio-chemistry Division Email: Rkapila69@rediffmail.com	Bio-availability and validation studies of bio-active compounds.
11.	Dr. Suman Kapila , P.S. Animal Bio-chemistry Division Email: Skapila69@gmail.com	Characterization and validation of health benefits of bioactive peptides and dairy nutraceuticals.
Animal Reproduction		
12.	Dr. Tushar Mohanty , P.S. Artificial Breeding Research Centre Email: mohanty.tushar@gmail.com	Male reproduction, Semen biology, Infertility management in male and female domestic animal.
Animal Bio-technology		
13.	Dr. Sachinandan De. , P.S. Animal Bio-technology Centre Email: sachinandan@gmail.com	Molecular basis of innate immunity in domestic animals. Anti-microbial resistance and its mitigation. Genome editing in animals.
14.	Dr. Ashok Mohanty , P.S. Animal Bio-technology Centre Email: ashokmohanty1@gmail.com	Proteomics. Lactation biomarker. Early pregnancy biomarker. Semen Sexing in Cattle & Buffalo.
15.	Dr. J. K. Kaushik , P.S. Animal Bio-technology Centre Email: jaikr1@gmail.com	Recombinant DNA technology, protein engineering, molecular and structural biology.
16.	Dr. D. Malakar , P.S. Animal Bio-technology Centre Email: dhruvamalakar@gmail.com	Transgenesis for production of therapeutic protein.
Animal Nutrition		
17.	Dr. Amrish Kumar Tyagi , P.S. & Head Animal Nutrition Division Email: amrishtyagi1963@yahoo.com	Feeding strategies to mitigate the adverse effect of climate change on health and productivity of dairy animals.

Dairy Economics Statistics & Management		
18.	Dr B.S. Chandel , P.S. & Head Agricultural Economics Division Email: chandelbs2@gmail.com	Impact assessment of R&D and policy analysis.
19.	Dr A.K. Dixit , P.S. Agricultural Economics Division Email: poojanilwe@gmail.com	Value chain analysis and natural resource economics.
20.	Dr A.K. Sharma , P.S. Computer Application Centre Email: adeshkumar.sharma@gmail.com	Artificial Intelligence & Machine Learning algorithms to develop intelligent decision support system in Dairy & Animal Husbandry practices.
Animal Genetics & Breeding		
21.	Dr. S. M. Deb , P.S. & Head AG&B Division Email: sm_deb@yahoo.com	Genomics, Immunogenetics and Diversity analysis.
22.	Dr. I. D. Gupta , P.S. AG&B Division Email: idgupta1959@gmail.com	Animal Genetics, Gene mining, SNP identification and Molecular Biology.
23.	Dr. Archana Verma , P.S. AG&B Division Email: archana.ndri@gmail.com	Animal Genetics and Genomics.
24.	Dr. Anupama Mukherjee , P.S. AG&B Division Email: writetoanupama@gmail.com	Genomics and Population Genetics.
25.	Dr. Vikas Vohra , P.S. AG&B Division Email: vohravikas@gmail.com	Quantitative genetics, Functional Genomics and Microsatellite based diversity analysis in farm animals.
Southern Regional Station of ICAR-NDRI, Bengaluru		
26.	Dr. K. P. Ramesha , P.S. (Animal Genetics & Breeding) & Head Southern Regional Station of ICAR-NDRI, Adugodi, Bengaluru Email: kpragb@gmail.com	Whole genome sequencing, Exome methodologies sequencing, Proteogenomics and Omics.
27.	Dr. M. Sivaram P.S. (Agricultural Statistics) Southern Regional Station of ICAR-NDRI, Adugodi, Bengaluru Email: sivaram.ndri@gmail.com	Statistical Modelling, Biostatistical Analysis, Predictive Analytics, Machine Learning Algorithms.
28.	Dr. P. Heartwin Amaladhas P.S. (Dairy Engineering) Southern Regional Station of ICAR-NDRI, Adugodi, Bengaluru Email: heartwin1@gmail.com	Nanotechnology and functional foods, Spray drying, Rheology, Simulation and modelling.
29.	Dr. A. Kumaresan P.S. (Animal Reproduction) Southern Regional Station of ICAR-NDRI, Adugodi, Bengaluru Email: ogkumaresan@gmail.com	Semen Biology, Cryopreservation, Male fertility, Sperm-Oocyte interaction.

30.	Dr. S. Jeyakumar P.S. (Animal Reproduction) Southern Regional Station of ICAR-NDRI, Adugodi, Bengaluru Email: drsjeayakumar@rediffmai.com	Female fertility regulation, Metabolomics of pregnancy and Infrared thermography in Animal Reproduction.
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