

One Page CV of Prof Dinesh Kumar

Dinesh Kumar, ARS (Scientist, Biotechnology, 1997, 61st Batch, ICAR, Min of Agr & FW Govt of India)

Presently serving as Dean, Faculty of Interdisciplinary Studies (FIDS) at South Asian University, New Delhi (An International University Established by SAARC Nations)

Past Experiences as Permanent/Regular Faculty (~30 years):

- Former Principal Scientist, ICAR- Indian Agricultural Statistics Research Institute, New Delhi 13 years (2012-2025)
- Former Senior Scientist at ICAR-National Bureau of Animal Genetic Resources, Karnal- 15 years 1997-2012
- Visiting Scientist, Iowa State University of Science & Technology, Ames USA (2002-03 & 2006-07)
- Former Professor (Biotechnology) & Dean Academic Affairs, Central University of Haryana (2021-23)
- Former Director, Office of International Affairs, Central University of Haryana
- Former DST-SERB Project Advisory Committee Member- Plant Sciences (2019-2022)
- Former Chairman, Scientific Panel GMO & Food, FSSAI (2023-25) Ministry of Health & Family Welfare

Qualifications:

- LL.M. Kurukshetra University
- LL.B. (Professional) Kurukshetra University
- PG Diploma in Technology Management in Ag, Gold Medalist. Central Univ Hyderabad
- PG Diploma in IPR, IGNOU, New Delhi & WIPO Geneva,
- PDF, Iowa State University, Ames, IA, USA
- One Semester Course, Bioinformatics, Computer Sciences, Iowa State University, USA
- Ph.D. Biotechnology with NET (CSIR/UGC) Fellowship from BHU
- M.Sc. Biotechnology BHU Varanasi with DBT National Fellowship
- B.Sc. Hons Zoology BHU, Varanasi

Honours/ Awards/Peer Recognition:

- Recipient of National Fellowship of DBT, Govt of India in M.Sc. (Biotech)
- Recipient of National Fellowship of NET(CSIR/UGC), Govt of India in Ph.D. Biotechnology
- GATE conducted by IITs
- Recipient of DBT Overseas Long-Term Fellowship Award (2006-07)

Important Contributions of Dinesh Kumar in multi-disciplinary research

1. World's first livestock /cow genome sequencing published in Science (2009)
<http://www.ncbi.nlm.nih.gov/pubmed/19390049> **IF 56.9 (Q1 Multidisciplinary Sciences)**
2. Dwarfism gene discovery of U.S. beef cattle which was published in PNAS USA (2009)
<http://www.ncbi.nlm.nih.gov/pubmed/19887637> **IF 9.1 (Q1 in Multidisciplinary Sciences)**
3. Enhanced ethanol production from sugarcane juice Bioresource Technology (2011)
<https://pubmed.ncbi.nlm.nih.gov/21398115/> **IF 11.4 (Q1, Energy & Fuels)**
4. Antimicrobial peptides prediction tool for cattle Computer Electronics & Agri (2015) 3Dihub **IF 8.9 (Q1 Computer Science- Interdisciplinary applications)**
<https://www.sciencedirect.com/science/article/abs/pii/S0168169914003184?via%3Aihub>
4. MicroRNAs for early establishment of pregnancy in Buffalo (2021) Frontiers in Cell and Developmental Biology, <https://pubmed.ncbi.nlm.nih.gov/34513824/> **IF 6.1 Q1, Cell Biology, Developmental Biology**
5. DNA marker from growth hormone gene in Black Bengal Goats Meat Sciences (2007)
<https://pubmed.ncbi.nlm.nih.gov/22061242/> **IF 6.7 Q1 Food Science**
6. Carabeef: Unexploited Healthy Meat from Climate-Resilient Water Buffaloes for Global Nutritional Security (2025) **IF 5.8 Q1 (Food Science, Biotechnology, Industrial Engineering).**
7. A one-stop repository and guide to computational resources for genome editing experimentation. Briefings in Bioinformatics (2026) <https://pmc.ncbi.nlm.nih.gov/articles/PMC12576957/> **IF 13.3 (Q1 leader in Mathematical & Computational Biology)**

PhD Students Guided: Seven,

Total database and software developed: 34 with copyright. Granted Patent-1

Publication: Total 165 papers, Total Impact Factor > 550

Social Contributions: Motivational Speaker, Free Career Counselling to Students, Free Legal Help Line to academic victims, Associated with Orphanage