

Bio-data

Dinesh Kumar

Professor in Zoology
DESM, NCERT, New Delhi

- Holds Post Graduate degree in Zoology from Bhagalpur University with specialization in Cytogenetics.
- Ph. D. in the area of Genetics on problems related to genotoxicity of pesticides and its remediation.
- Experienced of working in the area of Human population genetics especially in the field of studies related to hereditary anaemias like Sickle Cell Anaemia, G6PD deficiency and thalassemia among the tribal population of MP in an UNDP project.
- Ten years of experience of teaching students of Zoology at Under Graduate as well as Post Graduate level at college as well as university level.
- Actively involved in the development of curricula, syllabus, textbooks and other teaching-learning materials for science up to secondary level and Biology as well as Biotechnology at Higher Secondary level since April 2002 in NCERT.
- Actively involved in the training of KRPs as well as teachers at various levels for Science and Biology education.
- As a part of team, contributed in the development of the national level training programme NISHTHA (National Initiative for School Heads and Teachers Holistic Advancement) and School Health Programme (SHP) and imparted training both in face to face and online mode for teachers of different states of the country
- Conducted research studies in the area of genetics as well as Science and Biology education.
- Published papers in the area of genetics and contributed chapters in the various textbooks and other materials of Science and Biology at Secondary and Higher Secondary stage.
- Contributed chapters 30 different textbooks of Science for secondary stage and Biology as well as Biotechnology for Higher Secondary stage either as one of the team members or Member-Coordinator
- Presented papers in various national and international conferences and symposia related to genotoxicity and Human Population Genetics.
- Represented NCERT in a World Bank conference related to textbook provision in Sub-Saharan Africa at Ivory Coast.
- Conducted more than 100 different workshops for the purpose of development of various text books, laboratory manual, training material in which faculty members of different universities, colleges and academic institution participated and contributed.
- Conducted a National Conference entitled, “Ancient Indian Knowledge: Science and Technology” in the month of July 2018 as Head, DESM and Chairperson

- Conducted 7th National Conference on Mathematics Education in December 2018 as Head, DESM and Chairperson
- Served as Additional Commissioner (Academics) of Kendriya Vidyalaya Sangathan for four years from January 2011 to January 2015 providing leadership in the academic field for nearly 1100 Kendriya Vidyalayas of the country. Contributed effectively in the area of training of teachers, development of e-content and implementation of smart classrooms in a number of Kendriya Vidyalayas for an effective teaching learning process.
- Served as Head, Publication Division, NCERT New Delhi from May 2015 to August 2016 and looked after overall printing of more than 400 titles published by NCERT and its countrywide distribution. Also coordinated with many states about providing copyright of NCERT textbook for different stages and subjects.
- Served as Head, Department of Education in Science & Mathematics (DESM) from September 2016 to September 2019. As Head, DESM successfully accomplished all the tasks related to curricular research in the area of science and mathematics; review & reprint of textbooks of science and mathematics of Upper Primary & Secondary stage and textbooks of Biology, Chemistry, Physics and Mathematics at Higher Secondary stage.
- Contributed in the organization of flagship extension programme of NCERT i.e., Jawaharlal Nehru National Science, Mathematics and Environment Exhibition (JNNSMEE) and State Level Science, Mathematics and Environment Exhibition (SLSMEE) as one of the team members, Coordinator and as Head, DESM since 2002.
- Conceptualised and implemented an extension programme of NCERT namely Rashtriya Avishkar Saptah (RAS) among schools across the country under the umbrella of Rashtriya Avishkar Abhiyan of Ministry of Education, Government of India since 2018 till date in collaboration with all the states and UTs of the country.
- Served as one of the members of the National Steering Committee of Olympiad programme of Homi Bhabha Centre for Science Education (HBCSE) from 2016 to 2019
- One of the members of National Expert Advisory Committee of DST since 2018 till date for Child centric programmes.
- One of the members of the Expert Advisory Committee (EAC) of DST since January 2021.
- Contributed in the area of education as members of various committees of MHRD, NCERT, CBSE, KVS and others time to time on diverse issues.
- Member of a few Academic bodies like Indian Science Congress Association, Indian Society of Human Genetics, All India Congress of Cytology and Genetics.