

Biodata of candidate

Technical Qualifications and Experience:

Manohar is currently pursuing PhD in Cancer Biology from BITS-Pilani, Rajasthan. He has undertaken teaching program during each semester for 5 years teaching both undergraduate and postgraduate students at BITS Pilani. He has also taught Biology as a visiting PGT at English medium schools at Pilani. He has done his B.Sc. Biosciences from Jamia Millia Islamia, New Delhi in 2006 and M.Sc. Biotechnology from Jamia Millia Islamia, New Delhi in the year 2008, both with first division. Before that he completed Senior Secondary Exam from CBSE board in 2003 and matriculation exam from CBSE board in 1998.

Other Qualifications and Experiences:

- Written and published a self-help book entitled “Micro Habits Mega Results” on Amazon Kindle Direct Publishing in April 2020.
- Published a “365 Days Planner” on Amazon Kindle Direct Publishing in June 2020.
- Attended many conferences and workshops during my PhD tenure at BITS Pilani.
- Selected for UGC-BSR fellowship in March 2013 for taking up research work.
- Successfully qualified NET exam conducted by CSIR in June 2012.
- Successfully qualified the GATE-2011 exam held on February 2011.
- Successfully qualified the GATE-2010 exam held on February 2010.
- Worked with Wipro BPO form August to October 2010.

Biodata Supervisor

Brief Biography of Supervisor

Dr. Uma S. Dubey is presently working as an Associate Professor in the Department of Biological Sciences at BITS Pilani-Pilani Campus. She has served this department for last 17 years at various teaching and research related posts. Earlier, she has conducted teaching and program development in the departments of Biotechnology, Microbiology and Environmental Sciences at the Institute of Life Sciences, Kanpur University. She also has a research experience of a year at the department of Plant Sciences, University of Alberta, Canada. She has done her Ph.D. in Immunology (under the Supervision of Prof. S.S. Agarwal) from Sanjay Gandhi Post Graduate Institute of Medical Sciences, Lucknow.

Teaching: She has taught more than 16 different courses in the department of Biological Sciences. She has been involved in the course planning and development of many of these. Besides this, she has initiated 2 new courses in Immunology and Cancer Biology. She has coordinated the course restructuring of M.Sc. and ME programs of the Biological Science Department as DCA Convener from 2012 -2014 and is continuing as a member of the same. She has coordinated the Science, Imagination and Discovery (SID) workshop at BITS Pilani. She has been Judge of various events of APOGEE from 2006-onwards in Biological Sciences and Medical Sciences categories and is a Life member of Indian Immunological Society and Member of My India Team, BITS Pilani.

Research: Her research interest is in both, theoretical and practical aspects of Immunology and Cancer Biology. Specifically, in (i) Cellular Immune Responses: She has been involved in comparative studying on Lymphocyte proliferation, Natural Killer cell function and Antibody dependent cellular cytotoxicity at normal and febrile temperatures. Also the cell cycle proliferation

kinetics of lymphocytes and cell lines is of interest. (ii) Mathematical Modelling of Immune system: She has been involved in studying the interaction of various components of the immune system with each other, with cancer cells and with infectious agents in the presence and absence of environmental toxicants. The analysis requires theoretic, mathematically and computational input. (iii) Cancer Biology: She is interested in studying the anti-cancer properties attributed to camel milk and its components. Furthermore, she is interested in application of camel casein nanoparticles in drug delivery. She has 17 research publications and 3 book chapters a 1 lab manual to her credit.