

Curriculum Vitae

1. Name of the Employee: Dr. Birendra Kumar
2. Email id: b.kumar@nib.gov.in
3. Designation: Jr. Scientist
4. Division/LAB: Recombinant Products Laboratory
5. Educational Qualification: M. Sc. Biotechnology, Ph. D. in Molecular Biology (Zool.), JRF-SRF awarded from UGC
6. Year of Joining: 2014
7. Professional Experience: (Years and Details in brief)



1. Post-Doctoral Fellowship (RA) at Department of Biochemistry, Bundelkhand University, Jhansi in an ICMR funded Project “The effect of anti-cancer drug on *Leishmania donovani* both *in vitro* and *in vivo*” during year 2013-2014.
 2. Guest Lecturer at Department of Zoology, DAV (PG) College, Muzaffarnagar during 2012-2013.
8. Major Publications:
1. Matthew Locke, Peter Rigsby et. al and Participants of the study (**B. Kumar**, C. Kamal, R. Barnawal, et. al from E & H Laboratory, NIB). An international collaborative study to establish the WHO 4th International Standard for Streptokinase: Communication from the SSC of the ISTH. *J. Thromb Haemost.* 18:1501-1505 (2020).
 2. Sandra Prior, Simon. E Hufton, et. al and Participants of the study (S. Gopinath, S. Chand, **B. Kumar** et. al from TMA Lab, NIB). International standards for monoclonal antibodies to support pre- and post- marketing product consistency: Evaluation of a candidate international standard for the bioactivities of rituximab. *mAbs*, 10(1):129-142 (2018).
 3. Subhash Chand, **Birendra Kumar**, Vivek Morris Prathap, Surinder Singh and Richi V. Mahajan Quality assurance of rituximab (anti-CD 20) antibodies by potency testing: determining the system suitability criteria and sample acceptance criteria. *Current Science*, 114 (12), 2513-2518 (2018)
 4. **Kumar B**, Recent status of accessible drugs resistance in Visceral Leishmaniasis. *International Journal of Pharmaceutical and Health Care*, 3(5): 43-64(2015).
 5. **Kumar B**, Advance in development of serum microRNAs as novel biomarker for tumor. *International Journal of Pharmaceutical and Medical Research*, 3(2):65-76 (2015).
 6. **Kumar B**, Yadav PR, Mandal AK and Rizvi MA. Promoter methylation and PTEN gene silencing in Cervical Squamous Cell Carcinoma from north Indian population. *Biochem. Cell. Arch.*, 11 (1): 33-39 (2011).
 7. **Kumar B**, Yadav PR and Rizvi MA. The tumor suppressor gene PTEN/MMAC1 signaling in brain tumors. *Biochem. Cell. Arch.*, 11 (1): 1-18(2011).
 8. **Kumar B**, Yadav PR, Goel HC, Rizvi MA. Recent developments in cancer therapy by the use of nanotechnology. *Digest Journal of Nanomaterials and Biostructures*, 4(1): 51-57 (2009).

Book published (International Publishers)

1. **PTEN gene in Cervical and Glioblastoma Cancer Cells;**

Authored by: - **Birendra Kumar;**

Publishers by: LAMBERT ACADEMIC PUBLISHING, Germany (**Sept, 2013**)

Book Chapters

1. **Kumar B**, Yadav PR, Singh Surender. Use of protein biomarkers for the early detection of breast cancer (as a chapter in book) **Omics: Application in Biomedical, Agricultural, and Environmental Sciences**. *CRC Press, Taylor & Francis, USA, Ch 12, p 299- 313* (2013).

2. **Kumar B**. Breast cancer genomics (as a book chapter in) **Omics: Approaches in breast cancer**. *Springer, Ch 4, p 53- 103* (2014).