

## BIOGRAPHICAL SKETCH

1. Name : Rituraj Purohit
2. Designation: Principal Scientist
3. Department/Institute/University : Department of Biotechnology, CSIR-Institute of Himalayan Bioresource Technology, Palampur, Himachal Pradesh -176061.  
Email; rituraj@ihbt.res.in

### 4. Education

S. No.	Institution Place	Degree Awarded	Field of Study
1.	Bachelor of pharmacy	B.Pharmacy	Pharmaceutical Sciences
2.	Indian Institute Of Information Technology, Allahabad India	M.Tech	Bioinformatics
3.	Vellore Institute of Technology,University, Vellore, India.	Ph.D	Bioinformatics

### 5. Position

S. No.	Institution Place	Position	From (Date)	To (date)
1.	Department of Biotechnology, CSIR-Institute of Himalayan Bioresource Technology, Palampur (H.P.) India	Principal Scientist	2018	Till Date
2.	Department of Biotechnology, CSIR-Institute of Himalayan Bioresource Technology, Palampur (H.P.) India	Senior Scientist	2014	2018
3.	School of Bio Sciences and Technology, Vellore Institute of Technology,University, Vellore, India.	Associate Professor	2013	2014
4.	Italian Institute for Genomic Medicine, Torino, Italy (Formerly known as; Human Genetics Foundation (HuGeF))	Postdoctoral Researcher	2012	2013
5.	School of Bio Sciences and Technology, Vellore Institute of Technology,University, Vellore, India.	Assistant Professor	2007	2012

### 6. Key Publications:

- 1) Evaluation of acridinedione analogs as potential SARS-CoV-2 main protease inhibitors and their comparison with repurposed anti-viral drugs.  
Vijay Kumar Bhardwaj, Rahul Singh, Pralay Das and **Rituraj Purohit\***  
**Computers in Biology and Medicine.** doi; 10.1016/j.compbimed.2020.104117
- 2) Identification of bioactive molecules from Tea plant as SARS-CoV-2 main protease inhibitors.  
Vijay Kumar Bhardwaj, Rahul Singh, Jatin Sharma, Vidya Rajendran, **Rituraj Purohit\*** and Sanjay Kumar  
**Journal of biomolecular structure & dynamics.** Doi;10.1080/07391102.2020.1766572
- 3) Discovery and evaluation of aminoarylbenzosuberene molecules as novel Checkpoint kinase 1 inhibitor.  
Rahul Singh, Vijay Kumar Bhardwaj, Jatin Sharma, Pralay Das and **Rituraj Purohit\***  
**Genomics** (2020) doi;10.1016/j.ygeno.2020.10.001
- 4) Identification of novel and selective agonists for ABA receptor PYL3.  
Rahul Singh, Vijay Kumar Bhardwaj, Jatin Sharma and **Rituraj Purohit\***  
**Plant Physiology and Biochemistry.** (2020) doi; 10.1016/j.plaphy.2020.05.005
- 5) Structural changes induced by substitution of amino acid 129 in the Coat protein of Cucumber mosaic virus.  
Vijay Kumar Bhardwaj and **Rituraj Purohit\***  
**Genomics** (2020) doi; 10.1016/j.ygeno.2020.04.023

- 6) A new insight into protein-protein interactions and the effect of conformational alterations in PCNA  
Vijay Kumar Bhardwaj and **Rituraj Purohit\***  
*International Journal of Biological Macromolecules* (2020) 148:999-1009
- 7) Target identification, screening and in vivo evaluation of pyrrolone-fused benzosuberene compounds against human epilepsy using Zebrafish model of pentylenetetrazol-induced seizures.  
Garima Tanwar, Arindam Ghosh Mazumder, Vijay Bhardwaj, Savita Kumari, Richa Bharti, Yamini ,  
Damanpreet Singh , Pralay Das and **Rituraj Purohit\***  
*Scientific Reports* (2019) 9:7904
- 8) Computational investigation on effect of mutations in PCNA resulting in structural perturbations and inhibition of mismatch repair pathway.  
Vijay Bhardwaj and **Rituraj Purohit\***  
*Journal of biomolecular structure & dynamics*. DOI;10.1080/07391102.2019.1621210
- 9) Impact of point mutation P29S in RAC1 on tumorigenesis.  
Vidya Rajendran, Chandrasekhar Gopalakrishnan, **Rituraj Purohit\***  
*Tumor Biology* 2016; 37(11):15293-15304
- 10) Use of long term Molecular Dynamics Simulation in predicting cancer associated SNPs.  
Ambuj Kumar and **Rituraj Purohit\***  
*PLOS Computational Biology*. 2014. 10(4): e1003318

***Total number of refereed journals – 74 (58 as corresponding author)***

**H-index: 25 (Scopus)**

Web-links-

Current Position

Scopus

Pubmed