

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) Taming the ringmaster of the genome (PCNA): Phytomolecules for anticancer therapy against a potential non-oncogenic target.
Vijay Kumar Bhardwaj and **Rituraj Purohit***
Journal of Molecular Liquids (2021) 337:116437. **IF = 6.16**
- 2) Himalayan bioactive molecules as potential entry inhibitors for the human immunodeficiency virus.
Vijay Kumar Bhardwaj, **Rituraj Purohit*** and Sanjay Kumar
Food Chemistry. (2020) doi:10.1016/j.foodchem.2020.128932 **IF = 7.51**
- 3) Explicit-solvent molecular dynamics simulations revealed conformational regain and aggregation inhibition of I113T SOD1 by Himalayan bioactive molecules.
Sachin Kumar, Vijay Kumar Bhardwaj, Rahul Singh and **Rituraj Purohit***
Journal of Molecular Liquids (2021) doi:10.1016/j.molliq.2021.116798 **IF = 6.16**
- 4) An in-silico evaluation of different bioactive molecules of Tea for their inhibition potency against non structural protein-15 of SARS-CoV-2.
Vijay Kumar Bhardwaj Rahul Singh, Jatin Sharma, vidya Rajendran, **Rituraj Purohit*** and Sanjay Kumar
Food Chemistry. (2020) 346:128933. doi:10.1016/j.foodchem.2020.128933 **IF = 7.51**

- 5) Structural based study to identify new potential inhibitors for Dual Specificity Tyrosine- Phosphorylation- Regulated Kinase..
Vijay Kumar Bhardwaj, Rahul Singh, Jatin Sharma, Pralay Das and **Rituraj Purohit***
Computer Methods and Programs in Biomedicine. (2020) 194:105494 **IF = 5.42**
- 6) 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 **IF = 4.58**
- 7) 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 **IF = 5.73**
- 8) 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 **IF = 6.95**
- 9) 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 **IF = 5.73**
- 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 **IF = 4.47**

Total number of refereed journals – 92 (71 as corresponding author)

H-index: 28 (Scopus)

Web-links-

[Current Position](#)

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