


**STANDARD TEMPLATE OF FACULTY PROFILE FOR UPLOADING OF UNIVERSITY WEBSITE**

Title	<b>Dr.</b>	First Name	<b>RANJITH</b>	Last Name	<b>KUMAR C.T.</b>	
Designation	<b>ASSOCIATE PROFESSOR</b>					
School /Dept. Name	<b>UNIVERSITY SCHOOL OF BIOTECHNOLOGY</b>					
Address:	<b>201, A Block, USBT</b>					
Phone No.	Office	<b>011-25302319</b>				
	Residence	(optional)				
	Mobile	(optional)				
Email	1. <b>ctrkumar@ipu.ac.in</b>			2.		
Web Page (if any)	<b><a href="http://www.ipu.ac.in/usbt/Associate_Professors.php">http://www.ipu.ac.in/usbt/Associate_Professors.php</a></b>					
Subjects Taught	<b>Protein Biotechnology, Virology, Biophysics and Structural Biology, Protein Purification and Characterization.</b>					
Areas of Interest/Specialization	<b>Molecular Virology, Antiviral Research and Innate Immune Responses</b>					
Experience (in years)	Total	24				
	Industry					
	Teaching	10				
	Research	24				
Educational Qualifications	UG	<b>Chemistry, University of Kerala</b>				
	PG	<b>Biochemistry, University of Kerala</b>				
	Doctorate	<b>Department of Biochemistry, Indian institute of Science</b>				
	Any other					
Research Publications in Journals (last 5 years)	<p>1. C. Kao, M. Surjit, <b>C.T. Ranjith-Kumar (2021)</b> Editorial: Viral Hepatitis: Pathophysiology, Prevention, and Control. <b><i>Frontiers in cellular and infection microbiology</i></b> 11:633580. doi: 10.3389/fcimb.2021.633580. eCollection 2021.</p>					

2. S. Hingane, N. Joshi, M. Surjit and **C.T. Ranjith-Kumar** (2020) Hepatitis E Virus ORF2 Inhibits RIG-I Mediated Interferon Response. *Frontiers in Microbiology*, 11:656. doi: 10.3389/fmicb.2020.00656.
3. J. Gupta, S. Kaul, A. Srivastava, N. Kaushik, S. Ghosh, C. Sharma, G. Batra, M. Banerjee, Shalimar, B. Nayak, **C.T. Ranjith-Kumar**, and M. Surjit (2020). Expression, Purification and Characterization of the Hepatitis E Virus Like-Particles in the *Pichia pastoris*. *Frontiers in Microbiology*, 11:141. doi: 10.3389/fmicb.2020.00141.
4. Katla S, Yoganand KNR, Hingane S, **C.T. Ranjith Kumar**, Anand B, Sivaprakasam S. (2019) Novel glycosylated human interferon alpha 2b expressed in glycoengineered *Pichiapastoris* and its biological activity: N-linked glycoengineering approach. *Enzyme and Microbial Technology*. 128:49-58. doi: 10.1016/j.enzmictec.2019.05.007.
5. S. Anang, N. Kaushik, S. Hingane, A. Kumari, J. Gupta, S. Asthana, Shalimar, B. Nayak, **C.T. Ranjith-Kumar**, and Surjit M (2018). Potent inhibition of hepatitis E virus release by a cyclic peptide inhibitor of the interaction between viral open reading frame 3 protein and host tumor susceptibility gene 101. *Journal of Virology*. pii: JVI.00684-18. doi: 10.1128/JVI.00684-18.
6. C. Subramani, V.P. Nair, S. Anang, S.D. Mandal, M. Pareek, N. Kaushik, A. Srivastava, S. Saha, **C.T. Ranjith-Kumar**, and M. Surjit (2018). Host-Virus Protein Interaction Network Reveals the Involvement of Multiple Host Processes in the Life Cycle of Hepatitis E Virus. *mSystems*. 3(1). pii: e00135-17. doi: 10.1128/mSystems.00135-17.
7. A. Madhvi, S. Hingane, R. Srivastav, N. Joshi, C. Subramani, R. Muthumohan, R. Khasa, S. Varshney, M. Kalia, S. Vrati, M. Surjit, and **C.T. Ranjith-Kumar**. (2017) A screen for novel hepatitis C virus RdRp inhibitor identifies a broad-spectrum antiviral compound. *Scientific Reports*. 7(1):5816. doi: 10.1038/s41598-017-04449-3.
8. N. Kaushik, C. Subramani, S. Anang, R. Muthumohan, Shalimar, B. Nayak, **C.T. Ranjith-Kumar**, and Surjit M. (2017) Zinc salts block Hepatitis E virus replication by inhibiting the activity of viral RNA-dependent RNA polymerase. *Journal of Virology*. 91(21). pii: e00754-17. doi: 10.1128/JVI.00754-17.
9. S. Anang, C. Subramani, V.P. Nair, S. Kaul, N. Kaushik, C. Sharma, A. Tiwari, **C.T. Ranjith-Kumar**, and M. Surjit.

	<p>(2016) Identification of critical residues in Hepatitis E virus macro domain involved in its interaction with viral methyltransferase and ORF3 proteins. <b>Scientific Reports</b>. 6:25133. doi: 10.1038/srep25133.</p> <p>10. V.P. Nair, S. Anang, C. Subramani, A. Madhvi, K. Bakshi, A. Srivastava, Shalimar, B. Nayak, <b>C.T. Ranjith-Kumar</b>, and M. Surjit. (2016) Endoplasmic Reticulum Stress Induced Synthesis of a Novel Viral Factor Mediates Efficient Replication of Genotype-1 Hepatitis E Virus. <b>PLoS Pathogens</b>. 12(4):e1005521. doi: 10.1371/journal.ppat.1005521.</p>
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Papers Published in Conference Proceedings (last 5 years)				
Books Authored/Book Volume Chapters	<b>C. T. Ranjith-Kumar</b> and C. C. Kao. (2006). Biochemical activities of the Hepatitis C Virus RNA-dependent RNA polymerase. <b>Hepatitis C Viruses; Genomes and Molecular Biology. Chapter 10</b> , 293-310. Published by Horizon Bioscience. Edited by Seng-Lai Tan.			
No. of Conferences	National	Attended		Organized
		4		
	International	8		
Research Guidance	Awarded	PG	M. Phil	Doctorate
		3		1
	Undergoing	1		2
Research Projects	Completed	2		
	Undergoing	2		
Awards & Distinctions	<ul style="list-style-type: none"> <li>• Ramalingaswami Re-entry Fellowship awarded by Department of Biotechnology, Ministry of Science and Technology, Government of India.</li> <li>• Ramanujan Fellowship awarded by Science and Engineering Research Board, Government of India (did not avail).</li> <li>• Certificate of Appreciation presented by Faculty and Staff for Student Excellence (FASE) Mentoring Program, Indiana University, Bloomington, Indiana.</li> </ul>			

Administrative Assignments Handled	<ul style="list-style-type: none"> <li>• Member of Internal Complaints Committee</li> <li>• Member of Institutional Ethics Committee</li> <li>• Core Committee member of Center for Human Values and Ethics</li> </ul>
Association with Professional Bodies	<ol style="list-style-type: none"> <li>1) American Society for Virology, USA. Year of initiation 2001</li> <li>2) Midwest RNA Society, USA. Year of Initiation 2001</li> </ol>
Any other Achievements	<p>Served as a Topic editor for the Journal: Frontiers in Cellular and Infection Microbiology  Research Topic: Viral Hepatitis: Pathophysiology, Prevention, and Control.</p>