



## Ms. Shivi Sharma

Assistant Professor  
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<b>Qualification</b>	: B.TECH, M.Tech, Pursuing Ph.D. in Computational Biology & Bioinformatics.
<b>Department</b>	: Biotechnology Engineering
<b>Experience</b> (Academics/Industry/Research)	: 5+ Years
<b>Research Interest</b>	: Stemformatics, Epigenetics, Phylogenetics, Computer Aided Drug Designing, Simulation of building models, Regenerative/Customized medicine, Machine learning.
<b>BTech/MTech/MPhil Dissertation supervised</b>	B.Tech.: 09 (Nine) Dissertation supervised since 2018.
<b>PATENT PUBLISHED:-</b> “ON SKIN HYGENIC PRODUCT” (2022) <b>COPYRIGHT-</b> “ON FOOD PRODUCT” (2023) <b>REVIEW PAPERS-</b> “Review for Botanical Diversity Park REI (Dayalbagh): An Initiative Towards The Biodiversity Conservation” (2023)	
<b>Research Publications</b>	: <ul style="list-style-type: none"> <li><b>Journal: 1</b> (Protein Structure And Function Prediction Of Sars-CoV 2: Prospective Antivirus Active Drug Binding Sites-IOP Science Journal)</li> <li style="padding-left: 20px;"><b>2.</b> (Comparative Study of <math>\beta</math>-Glucan From Different Sources for the Production of a Healthy Skin Cleansing Cosmetic Products-UGC care)</li> <li><b>Conference: 5</b> (detailed below:-               <ul style="list-style-type: none"> <li>1:“Tissue Specific Stem Cells and Stemformatics”: Fascinating Reservoir for Future Regenerative Medicines” in <b>103<sup>rd</sup> ISC, Mysore</b></li> <li>2: “Application of Stemformatics in future Regenerative Medicines” in <b>IABS, Delhi</b></li> <li>3: “STEMFORMATICS: Resolving Mysterious Role of Stemness maintain factors” in <b>GEENPAHH, HCST</b></li> <li>4: “Explore the Internet of Medical Things”</li> </ul> </li> </ul>

	<p>in <b>Bioscience Congress 2022, HCST</b></p> <p>5: “Opioid Crisis: A Public Health Emergency” in <b>Bioscience Congress 2022, HCST</b></p> <p>6: “Prediction of Diabetes using data mining” in National Conference on “ <b>Emerging trends in Bioinformatics for Agriculture, Food and Health-2023, ALLAHABAD</b>)</p> <p><b>Book: 5</b> (detailed below:-</p> <p><b>1:</b> STEMFORMATICS: Fascinating Navigator for Stem cell Therapy.</p> <p><b>2:</b> Explore the Role of Methylation in Cancer Epigenetics</p> <p><b>3:</b> Guillain Barre Syndrome (GBS)- Effect of C.Jejuni Protein on Demyelination in GBS by New Techniques- Screening, Annotation &amp; Simulation for vaccination</p> <p><b>4:</b> COVID-19 Knowledge Hub 2020: An initial blueprint of pandemic by HCST Mathura</p> <p><b>5:</b> Blueprint of Covid-19 Pandemic: Status of Covid19 Pandemic, 2020)</p>
<p><b>Journals:</b> IOP Science Journal, UGC Care</p>	
<ul style="list-style-type: none"> <li>• <b>Recent Conference:</b> Bioscience Congress 2022, International Conference on Advanced Materials Behaviour &amp; Characterization (ICAMBC_2021)</li> <li>• National Conference on “ Emerging trends in Bioinformatics for Agriculture, Food and Health-2023</li> </ul>	
<p><b>Certifications: 2 NPTEL Courses</b></p> <p>(1: “CELL CULTURE TECHNOLOGY” from IIT Kanpur</p> <p>2: “PATENT LAW FOR ENGINEERS AND SCIENTISTS” from IIT Madras</p> <p>3: “MACHINE LEARNING” from IIT Madras)</p>	
<p><b>Book Chapter</b></p>	<p>: 1 (“<b>Diagnosis and Treatment of Covid-19</b>”)</p>
<p><b>FDP/Workshop:</b></p> <ol style="list-style-type: none"> <li>1) 7 Days FDP on “Indian Knowledge Systems” (2023)</li> <li>2) 7 Days Workshop on “Genome Editing-Basic to Advanced Applications in Agriculture, Pharma &amp; Health Sectors (2022).</li> <li>3) 19 Days FDP on “Genomics and NGS data analytics” (2022).</li> <li>4) 5 days FDP on “Advances of Computer sciences” (2022)</li> </ol>	
<p><b>Achievements</b></p>	
<p><b>Award</b></p>	<p>: GEENPAHH Coordinator (International Conference)</p> <p>Joint Organizing Secretary in Bioscience Congress</p>
<p><b>Membership in Professional</b></p>	<p>: Nano &amp; Molecular society,</p>

<b>Bodies</b>	Sessional member of 103 <sup>RD</sup> Indian Science Congress Association
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