

Dr. Parul Johri  
Assistant Professor  
Amity Institute of Biotechnology  
Amity University Lucknow Campus  
Uttar Pradesh  
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### **Career Objective**

To be an active participant in a prestigious organization that fully uses a strong dedication and enthusiasm for the advancement of society, students, organization and me.

### **Experience Summary**

<b>Sr. No.</b>	<b>Organization</b>	<b>Position Held</b>	<b>Duration</b>
1.	Amity Institute of Biotechnology Amity University, Lucknow	Assistant Professor Grade II	August 2011 – Till Date
2.	Department of Biotechnology and Bioinformatics, Padmashree Dr. D.Y. Patil University	Assistant Professor for Bioinformatics	August 2008 – July 2011

### **Guest Lecturer**

Visiting Faculty for M.Tech (Food Biotechnology), a DBT sponsored course, at Institute of Chemical Technology, Mumbai. (For 2 Years – 2010 and 2011).

### **Grant Received**

1. Received DBT CTEP grant for conducting popular lecture series in Biotechnology, March 2019.
2. Received Funds from Nation Commission of Women (NCW) for conducting a webinar in September 2021.

### **Refresher Course Completed**

1. Two months e refresher course completed from AKS University Satna on 21<sup>st</sup> Centaury: Era of Biotechnology September – October 2020.

### **SWYAM NPTEL courses completed –**

1. Biostatistics and Design of Experiments 8 Weeks course.
2. Functional Genomics 4 Weeks course.

### **Education Qualification**

<b>S. No</b>	<b>Educational Qualification</b>	<b>Specialized Subjects</b>	<b>University</b>	<b>Percentage / Grade</b>
1.	PhD 2019	Biotechnology Title: “ <b>Atom Based Protein Sequence Analysis: An In silico approach</b> ”	Amity University Uttar Pradesh	Course work completed with A grade in 2015
2.	M. Tech 2008	Bioinformatics	Padmashree Dr. D. Y. Patil University Navi Mumbai	<b>Gold medalist</b>
3.	B. Tech 2006	Biotechnology	Institute of Engineering and Technology, IET, Bundelkhand University, Jhansi, Uttar Pradesh.	76%
4.	H.S.C 2002	Physics, Chemistry, Maths, Biology, English	St. Michael's Convent School, Mankapur, Uttar Pradesh	76%
5.	S.S.C 2000	English, Hindi, Maths, Social Science and Science	St. Michael's Convent School, Mankapur, Uttar Pradesh	88.2%

### **Research Publication**

<b>S. No</b>	<b>Title of the Paper</b>	<b>Authors</b>	<b>Name of The Journal</b>	<b>Year of Publication</b>	<b>Indexing and Impact Factor</b>
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1.	Comparative Modeling, Characterization and Energy minimization studies of Aquaporin 9: an exclusive target protein for Rheumatoid Arthritis	Surojeet Das, <b>Parul Johri</b> , Ruchi Sharma, Monika Kashyap, Shivani Singh, Sachidanand Singh	International Journal of Pharma Investigation	2019	Q1 Listed journal
2.	Study On The Association Between Carbon Distribution And Protein Hydropathicity	<b>Parul Johri</b> , Mala Trivedi and Mohammed Haris Siddiqui	Asian Journal of Microbiology, Biotechnology and Environmental Science	2019	Scopus
3.	Protein characterization at atomic level: A Novel approach for protein sequence analysis	<b>Parul Johri</b> , Mala Trivedi, Drishti Srivastava, Aman Kumar Singh and Mohammed Haris Siddiqui	Current Trends in Biotechnology and Pharmacy	2018	Scopus
4.	Magnitude of carbon in different viral proteins	<b>Parul Johri</b> , Mala Trivedi and Mohammed Haris Siddiqui	Ecology, environment and Conservation	2018	Scopus
5.	Molecular docking studies of <i>Curcuma longa</i> and <i>Aloe vera</i> for their potential anticancer effects	Parul Tripathi, Saad Shabir Siddhiqui, Anju Sharma, <b>Parul Johri</b> , Aditi Singh.	Asian Journal of Pharmaceutical and Clinical Research	2018	Scopus
6.	Sequencing and In silico annotation of a novel <i>Pseudomonas</i> strain	Shweta Sachan, Parul Johri, Mala Trivedi and Aditi Singh	Asian Journal of Microbiology, Biotechnology and Environmental Science	2017	Scopus
7.	A study in the presence and distribution of carbon percentage in and around the sites of glycosylation for eukaryotic proteins	<b>Parul Johri</b> <sup>1</sup> , Mala Trivedi, Mohammed Haris Siddiqui and Mrunal Gokhale	Journal of Chemical and Pharmaceutical Research	2016	Pubmed
8.	Towards the atomic level protein sequence analysis	<b>Parul Johri</b> , Mala Trivedi, Aditi Singh and Mohammed Haris Siddiqui	Journal of Chemical and Pharmaceutical Research	2016	Pubmed
9.	Study of carbon at	Shweta Sachan, <b>Parul</b>		2016	Pubmed

	glycosylation sites in <i>Arabidopsis thaliana</i>	<b>Johri</b> , Mala Trivedi, Aditi Singh and Mohammed Haris Siddiqui	Journal of Chemical and Pharmaceutical Research		
10.	Atomic Level Sequence Analysis – A review	<b>Parul Johri</b>	International Journal of Computational Bioinformatics and In Silico Modeling	2013	Pear Reviewed, UGC
11.	A New Perspective for sequence analysis – carbon content	<b>Parul Johri</b> , Mrunal Gokhale	Research and Reviews: Journal of Computational Biology	2013	Pear Reviewed, UGC
12.	Global host metabolic response to Plasmodium vivax infection: a <sup>1</sup> H NMR based urinary metabonomic study	Arjun Sengupta, Soumita Ghosh, Angika Basant, Suhas Malusare, <b>Parul Johri</b> , Sulabha Pathak, Shobhona Sharma and Haripalsingh M Sonawat	Malaria Journal, BMC	2011	Scopus, Pubmed etc. <b>IF – 4.2</b>
13.	An Insight into blood clotting disorder in Humans	<b>Parul Johri</b> , Sagar Nagare, Kakumani Venkateswara Swamy and Chitta Suresh Kumar	Journal of Computational Biology and Bioinformatics Research	2011	Pear Reviewed, UGC
14.	COVID19 and the rise of telemedicine	<b>Parul Johri</b> and Abhishek Dwivedi	International journal of Biology, Pharmacy and Allied Sciences	April 2022 (in Press)	Peer Reviewed, Web of Science
15.	Phylogenetic network Analysis of CDC20 Genes	<b>Parul Johri</b>	Indian Journal Applied & Pure Bio	February 2022 (in Press)	Web of Science, Peer Reviewed
16.	Atom based Profiling and Functional Enrichment analysis of Aquaporins	<b>Parul Johri</b> , Sujeet Pratap Singh and Mala Trivedi	Research Journal of Biotechnology	October 2021	Scopus, Web of Science (0.2 impact)
17.	Comprehensive analysis of corona virus protein at atomic level and their assessment with the proteins of other single stranded RNA viruses.	<b>Parul Johri</b>	International journal of Biology, Pharmacy and Allied Sciences	February 2022 (in Press)	Peer Reviewed, Web of Science

## **Book Chapter**

1. Trivedi M, **Johri P**, Singh R and Tiwari R. K. Latest tool in fight against cancer: Nanomedicines S. K. Saxena & SM Paul Khurana (eds) Nanobiomedicine 139-164, 2020 DOI <https://doi.org/10.1007/978-981-32-9898-9>, Print ISBN978-981-32-9897-2, Online ISBN978-981-32-9898-9
2. Trivedi M, Singh A, **Johri P**, Singh R and Tiwari R. K. Nano Biotechnology an Ocean of Opportunity In R. S. Tomar, A Jyoti & S. Kaushik (eds) Nano Biotechnology Concepts and Application in health, agriculture and Environment Apple Academic Press, CRC Press by **Talyor & Francis** ,April 2020 hard ISBN: 9781771888240 E-Book ISBN: 9780429292750
3. Trivedi M., Mathur M., **Johri P.**, Singh A., Tiwari R.K. (2019) Waste Management: A Paradigm Shift. In: Shukla V., Kumar N. (eds) Environmental Concerns and Sustainable Development. Springer, Singapore Pp 337-363. First Online 01 May 2019, DOI [https://doi.org/10.1007/978-981-13-6358-0\\_14](https://doi.org/10.1007/978-981-13-6358-0_14), Publisher Name **Springer**, Singapore, Print ISBN978-981-13-6357-3, Online ISBN978-981-13-6358-0
4. Trivedi M, Singh A, **Johri P**, Singh R and Tiwari R. K. 2018. Genetic Engineering Potential of Hairy Roots of Poppy (Papaver spp.) for Production of Secondary Metabolites, Phytochemistry, and In Silico Approaches. Pp.569-597 © **Springer Nature** Singapore Pte Ltd. N. Kumar (ed.), Biotechnological Approaches for Medicinal and Aromatic Plants, [https://doi.org/10.1007/978-981-13-0535-1\\_26](https://doi.org/10.1007/978-981-13-0535-1_26)
5. Trivedi, M, Bhalla R, **Johri P**, Tiwari R.K 2017. Hairy root technologies and beyond. Eds Rachana Singh & Mala Trivedi, Biotechnology: Trends and Applications, Studium Press, LLC, USA. pp 80-102. ISBN 1626990492.
6. **Johri P** (2014). Proteomics. Current Trends in Life Sciences pp – 281-296.
7. Trivedi M., Gupta A., Singh A., Johri P., Mathur M., Tiwari R.K. (2021) Molecular Approaches. In: Omkar (eds) Molecular Approaches for Sustainable Insect Pest Management. Springer, Singapore. [https://doi.org/10.1007/978-981-16-3591-5\\_5](https://doi.org/10.1007/978-981-16-3591-5_5).

## **Achievements**

- Associate Managing Editor Production, Journal of Innovation in Applied Research JIAR (ISSN: 25814206) AKS University Satna MP.
- Consultant Editor Bioinformatics, Journal of Bio innovation (ISSN:22778330).
- Associate Editor, Research Journal of Pharmacy and Technology RJPT (ISSN: 09743618).
- Member of Bioinformatics Forum “JanuGanak”, at Department of Biotechnology and Bioinformatics, Padmashree Dr.D.Y.Patil University, C.B.D Belapur, Navi-Mumbai.
- Life Time Member of The Indian Science Congress Association (membership number – L25858).
- Life Time member of IAENG (International Association of Engineers) (membership number – 177120).
- Awarded Vasant Rao Dada Saheb Gold medal in M. Tech Bioinformatics.
- Merit holder (amongst 0.1% of students all over India) for obtaining highest marks in Hindi in CBSE Class X exams (2000).

## **Co-Curricular, Extension and Professional Development Related Activities**

- Member of Organizing Committee of the Department for Sangathan – The annual sport fest of the University
- Member of Organizing Committee of the Department for Amiphoria – The Annual Fest of the

#### University

- Member of the Concluding Ceremony of the Department - Amity Institute of Biotechnology Amity University Lucknow Campus.
- Program Leader for the course B. Tech Biotechnology at Amity Institute of Biotechnology Amity University Lucknow Campus.
- SRC Member for PhD Student at Amity Institute of Biotechnology Amity University Lucknow Campus.
- Proctor Board Member at Amity Institute of Biotechnology Amity University Lucknow Campus.
- Nodal Officer for handling Digital and Social Media of Amity Institute of Biotechnology Amity University Lucknow Campus.
- Member of Alumni Committee at Amity Institute of Biotechnology Amity University Lucknow Campus.
- Member of KYC (Know Your Career) student Orientation Program at Amity University Uttar Pradesh Lucknow Campus.
- Member of Document Verification Committee at Amity University Uttar Pradesh Lucknow Campus.
- Member of WASC, NACC and QAA documents collection Amity Institute of Biotechnology Amity University Lucknow Campus.
- Member of Study Abroad Program (SAP) Amity Institute of Biotechnology Amity University Lucknow Campus.
- Board Member during the Interview at Amity Institute of Biotechnology Amity University Lucknow Campus.
- Nodal Member of Quality Assurance Committee at Amity Institute of Biotechnology Amity University Lucknow Campus.

#### **Workshop / Faculty Development Program / Events Organized**

- Workshop on Homology Modeling using Schrodinger software Suite on August 26 & 27, 2015, Amity Institute of Biotechnology, Amity University Uttar Pradesh, Lucknow Campus.
- Workshop on DNA Analytics on March 10 & 11, 2016, Amity Institute of Biotechnology, Amity University Uttar Pradesh, Lucknow Campus.
- Workshop on Photography in Life Sciences on March 4, 2016, Amity Institute of Biotechnology, Amity University Uttar Pradesh, Lucknow Campus.
- Faculty Development Program for faculties of Amity Institute of Biotechnology, Amity University Uttar Pradesh, Lucknow Campus on June 22 & 24, 2015.
- Organized a refreshing evening (Games and dance performances) for all the hoteliers of Amity University Uttar Pradesh, Lucknow Campus on 17 September, 2016.
- Worked as Treasurer in National Conference on Big Data in Life Sciences and HealthCare at Amity University Uttar Pradesh, Lucknow Campus on February 12-13, 2019.
- Organized a Twitter based International Conference in Collaboration with Amity University Mumbai and Amity University Uttar Pradesh on September 27-28, 2019.
- Organized a workshop cum FDP on Statistical Analysis of Biological Data at Amity Institute of Biotechnology, Amity University Uttar Pradesh, Lucknow Campus on 2-6 July, 2019.
- Organized a workshop on Workshop on Telemedicine and 3D imaging in affordable health care at Amity Institute of Biotechnology, Amity University Uttar Pradesh, Lucknow Campus on 17 January,

2020.

- Worked as Treasurer in Application of Bioengineering and Bioinformatics in Healthcare: Breakthrough to Miracles at Amity University Uttar Pradesh, Lucknow Campus on 18-19 February, 2020.
- Member in the organizing committee of 2 days National Workshop on “Protein Structural Analysis and Homology Modeling” October 2010, held at Department of Biotechnology and Bioinformatics, Padmashree Dr.D.Y.Patil University, C.B.D Belapur, Navi-Mumbai.
- Member in the organizing committee of Workshop on “Sequence Analysis” September 2010, held at Department of Biotechnology and Bioinformatics, Padmashree Dr. D. Y. Patil University, C.B.D Belapur, Navi-Mumbai.
- Member in the organizing committee of hands on Workshop on “Absolute Quantification By Real Time PCR” September 2009, held at Department of Biotechnology and Bioinformatics, Padmashree Dr.D.Y.Patil University, C.B.D Belapur, Navi-Mumbai.

### **Workshop / Seminar / FDP Attended**

- FDP on “Moodle Learning and Management systems” organized by spoken tutorials IIT Bombay 23 June 2020 to 27 June 2020.
- FDP on “R Language for analytics and data Science” organized by spoken tutorials 26 April 2020 to 30 April 2020.
- FDP on “IPR and Professional Innovators” organized by Institution Innovation Council (IIC) - Aarupadai Veedu Institute of Technology (AVIT) & Vinayaka Mission’s Research Foundation (VMRF) on 16 June 2020 to 20 June 2020.
- FDP on “Computer Science and Biology” organized by AICTE ATAL Academy from 10 January 2021 to 14 January 2021.
- FDP on “Telemedicine” organized by AICTE ATAL Academy from 19 January 2021 to 23 January 2021.
- FDP on “Synthetic Biology” organized by AICTE ATAL Academy from 14 December 2020 to 18 December 2020.
- Attended National Seminar on “National Seminar- Frontiers in Biotechnology and Bioinformatics” from 2-3 February, 2007 held at Dr. D.Y. Patil Institute of Biotechnology and Bioinformatics, C.B.D Belapur, Navi-Mumbai.
- Participated in Workshop on “Computer Aided Drug Design”, conducted by VLife Sciences Pune, from 3-6<sup>th</sup> October, 2007 held at Dr. D.Y. Patil Institute of Biotechnology and Bioinformatics, C.B.D Belapur, Navi-Mumbai.
- Attended National Seminar on “National Seminar- Frontiers in Biotechnology and Bioinformatics” from 5,6 March, 2010 held at Dr. D.Y. Patil Institute of Biotechnology and Bioinformatics, C.B.D Belapur, Navi-Mumbai.
- Attended a workshop on “Mathematical Modeling and Applications”, organized by Amity University Lucknow Campus on September 22, 2015, Lucknow, Uttar Pradesh, India.
- Attended a workshop on Bio-entrepreneurship “Research to business” organized by Biotech Park on November 3, 2015, Lucknow, Uttar Pradesh, India.
- Attended a workshop on “Drug safety reporting pharmacovigilance and new perspectives of clinical data management and medical writing”, organized by Syncorp clincare technologies and AIP, Amity University Uttar Pradesh, Lucknow Campus on 16-17 January 2017.
- Participated in Science Leadership Workshop INYAS 22-28 June 2020 organized by Central University of Punjab Bhatinda.

- Attended a National Conference on “Drug Discovery and Formulation Development” organized by AIP, Amity University Uttar Pradesh, Lucknow Campus on February 23, 2017.
- Attended a seminar on “Mechanism and Pathology of Diseases”, organized by AIB, Amity University Uttar Pradesh, Lucknow Campus on September 9, 2016.
- Participated in a workshop on “Strengthening Research and Innovation”, conducted by Amity University Uttar Pradesh, Lucknow Campus on, April 13, 2016.
- Attended a Faculty Development Programme on “Biosafety & Bioethics in Life Sciences”, organized by Amity University Uttar Pradesh, Lucknow Campus on, October 15, 2016.
- Attended a Faculty Development Programme on “Research Method and Scientific Writing”, organized by AIIT, Amity University Uttar Pradesh, Lucknow Campus on, 20-21 December, 2016.
- Attended a workshop on MMA (Mathematical Modeling and Applications), organized by ASAS, Amity University Uttar Pradesh, Lucknow Campus on September 22, 2016.
- Attended Popular Lecture Series on Biotechnology sponsored by DBT Govt, of India at SRMU Lucknow on January 19, 2019.
- Participated in a workshop on Recent Advancement in Computational Design of Drugs and Biologics organized by Amity University Uttar Pradesh, Lucknow Campus on, August 27 – 28, 2019.
- Attended a Faculty Development Program on Education 4.0 Future of Learning with Disruptive Technologies organized by Amity University Uttar Pradesh, Lucknow Campus on, October 15, 2019.
- Attended a Faculty Development Program on GLP & GMP organized by Amity University Uttar Pradesh, Lucknow Campus on, March 17, 2017.
- Participated in International Seminar on Advancements in Biotechnology:Current and Future Perspectives ISABCFP 2017 organized by Department of Bioengineering and Biosciences, Integral University Lucknow on November 25, 2017.
- Attended a National Seminar on Advances Scientific Tools in Engineering and Technology at Amity University Lucknow Campus on September 20, 2018.
- Attended a one day workshop on Art of Cake Baking & Icing organized by Amity University Lucknow Campus on February 27, 2019.
- Attended a Professional Development Program on Ethical Issues in Research organized by Amity University Lucknow Campus on January 16 – 17, 2019.
- Attended a workshop on Virtual Labs organized by Amity University Lucknow Campus on January 09, 2020.

### **Personal Details**

Name : Dr. Parul Johri  
 Date of Birth : 14<sup>th</sup> September 1984  
 Sex : Female  
 Marital Status : Married  
 Nationality : Indian

### **Permanent Address**

C – 1/167, Indra Nagar, Kalyanpur  
 Kanpur, Uttar Pradesh. 208026  
 Phone number – 9838144680

### **Declaration**



I hereby declare that the above furnished information is correct and true to the best of my knowledge.

Date:

Sign