

**PERSONAL DETAILS**

Sex : Female  
 Date of Birth : 18/03/1996  
 Permanent Address : Chairman Gali Palkot Road, Gumla, Jharkhand, 835207

**ACADEMIC QUALIFICATION**

<i>Year of completion</i>	<i>Exam/Degree</i>	<i>Institution</i>	<i>Board/University</i>	<i>Percentage (%) / CGPA</i>
2019-present	Ph.D.	Indian Institute of Science, Bengaluru	-----	9.1 CGPA
2019	M.Sc. (Zoology)	Ranchi College, Ranchi	Ranchi University	Sem1- 81.67 Sem2- 82.17 Sem3- 87.17 Sem4- 87% (CGPA-8.89)
2017	B.Sc. (Zoology)	St. Xavier's College	Ranchi University	85.94% (9.04CGPA) (grade O (Outstanding))*
2014	HSC (XII)	Delhi Public School, Ranchi	CBSE	87.2
2012	SSC (XII)	Notre Dame School, Gumla	CBSE	10 CGPA

**ACADEMIC ACHIEVEMENTS**

- Selected for Prime Minister's Research Fellowship (May 2020) via lateral entry.
- Qualified CSIR (Council of Scientific & Industrial Research) NET JRF (December 2018). AIR 51.
- Qualified GATE (Graduate Aptitude Test for Engineering) 2019 (life science). AIR 241
- Overall topper in M.Sc. Zoology (2017-2019), Ranchi College, Ranchi.
- A.I.R.-12(General)/ 01(OBC) in CEEB (Combined Entrance Examination for Biotechnology) 2018.
- IIT JAM 2018 A.I.R.- 120(General) in Life Sciences.
- Qualified JNUEEE (Jawaharlal Nehru University Entrance Examination) 2018
- Scorer of highest percentage in Graduation (session: 2014-2017) with Highest Grade 'O' (OUTSTANDING) for scoring Aggregate percentage above 85%.
- Merit Award in St. Xavier's College for scoring Highest Percentage.
- Certificate of Distinction in school for getting above 80% marks in all subjects in all semesters.
- Certificates of First Honor for consecutive 3 years in school for getting above 75% marks in all subjects in all semesters.

**PUBLICATIONS & PRESENTATIONS**

- Published article: "Identification of COVID-19 prognostic markers and therapeutic targets through meta-analysis and validation of Omics data from nasopharyngeal samples" Abhijith Biji, Oyahida Khatun, Shachee Swaraj, Rohan Narayan, Raju S Rajmani, Rahila Sardar, Deepshikha Satish, Simran

Mehta, Hima Bindhu, Madhumol Jeevan, Deepak K Saini, Amit Singh, Dinesh Gupta, Shashank Tripathi. Published: 12/08/2021 in <https://www.thelancet.com/journals/ebiom/home>  
Article Link: <https://pubmed.ncbi.nlm.nih.gov/34392148/>

- Published article: "COVID-19: What happens inside you?" Shachee Swaraj\*, Abhijith Biji\*, Shashank Tripathi. Published: 05/03/2020 on [www.covid-gyan.in](http://www.covid-gyan.in)  
Article Link: <https://covid-gyan.in/content/covid-19-what-happens-inside-you>  
Video Link: <https://covid-gyan.in/videos/covid-19-what-happens-inside-you>
- "Novel corona virus (COVID-19) pandemic: Current status and possible strategies for detection and treatment of the disease". Stuti Bhagat, Nisha Yadav, Juhi Shah, Harsh Dave, Shachee Swaraj, Shashank Tripathi, Sanjay Singh (Manuscript under revision in 'Infection' Journal)
- Identification of drugs targets against SARS-CoV2 through Meta-analysis of orthogonal OMICs datasets. Shachee Swaraj\*, Abhijith Bijee\*, Venitha Bernard, Shashank Tripathi.  
(Manuscript under preparation)
- Presented poster titled "Emerging Viral Diseases" on Open Day 2020 in Indian Institute of Science, Bengaluru.
- Presented poster in International Conference on Environment and Ecology (ICEE 2017) on 'Treatment of Wetland'.
- Presented poster in National Conference on Harmony with Nature in Context of Resource Conservation and Climate Change (Harmony-2016) on 'Study of Climate Change on Lac Culture'
- Presented Paper in National Conference on Relevance of the ideology of Sree Sree Anukulchandra in Global Context (Feb 2019) on 'Mate Selection: An Interplay of Genetics and Ideology of Sree Sree Anukulchandra ji'.
- Attended 5 Day training program on Fish and Fishery in Fish Farmers Training Centre (FFTC), Ranchi (27/09/2018 – 1/10/2018).

## RESEARCH INTERESTS AND CURRENT DOCTORAL RESEARCH

**RESEARCH INTERESTS:** Infectious diseases (viral and bacterial), Host-pathogen interaction, Virus biology and disease mechanism, Antiviral innate and adaptive immune response, Immune evasion strategies by viruses and bacteria, Vaccines and its immune response.

**Current Doctoral Research:** Investigating novel, broad spectrum, Interferon independent antiviral innate immune mechanisms against wide range of viruses.

**Supervisor:** Dr. Shashank Tripathi, Assistant Professor, Wellcome Trust India Alliance Intermediate Fellow, Microbiology & Cell Biology Department, Centre for Infectious Disease Research, Indian Institute of Science, Bengaluru.

## EXTRA-CURRICULAR ACTIVITIES AND INTERESTS

- 6 years Teaching experience in Coaching institution since 2013, giving biology education to students of Std. 9, Std 10, Std. 11, Std. 12, and to students preparing for NEET.
- 1-year Teaching Experience in Finatee classes, Ranchi (April 2013- Feb 2014), 2 years teaching experience in E-world Ranchi (April 2014 – March 2016) and 3 years teaching experience in Vidyamandir Classes Ranchi (May 2016 – Feb 2019).
- Winner of 'Face of The University' competition in College Fest Aahvan 2019.
- Student Council Member in School. Captain of Nehru Club in School (Notre Dame School, Gumla).
- Winner of Creative Writing in English. Debates, Group Discussions, Rangoli, Inter-school Group Dance competitions, Science exhibitions, One-Act Plays, extempore speeches and elocutions several times.