

Biochemistry 2021-22

Merit Positions

College Merit Positions Overall (Batch 2018–2021)

1. **Ms. Meghna Birla** secured **First Position** in **B.Sc. (Hons.) Biochemistry**.
2. **Ms. Jahanvi Sharma** secured **Second Position** in **B.Sc. (Hons.) Biochemistry**.
3. **Ms. Salvi Gupta** secured **Third Position** in **B.Sc. (Hons.) Biochemistry**.

Top Positions in PG Entrance Examinations

1. **Ms. Aashna Bansal** secured admission through **Merit-Based Selection** for a postgraduate programme.
2. **Ms. Aayushi Deo** secured **UR Rank 7** in **GAT-B**.
3. **Ms. Anushka Shukla** secured **UR Rank 143** in **GAT-B**.
4. **Ms. Arunima Goswami** secured **UR Rank 1** in the **AIIMS Biophysics Entrance Examination**.
5. **Ms. Bharti** secured **SC Rank 40** in **GAT-B**.
6. **Ms. Diya Chawla** secured **UR (EWS) Rank 3** in the **AIIMS Biochemistry Entrance Examination**.
7. **Ms. Himani Sareen** qualified the **JGEEBILS** examination.
8. **Ms. Jahanvi Sharma** secured **UR Rank 2** in the **PGIMER Biochemistry Entrance Examination**.
9. **Ms. Kritika Varshney** secured **AIR 392** in **IIT-JAM**.
10. **Ms. Kumari Poorvi Singh** secured **UR Rank 2** in the **University of Hyderabad Entrance Examination**.
11. **Ms. Kumari Poorvi Singh** secured **UR Rank 3** in the **Banaras Hindu University Entrance Examination**.
12. **Ms. Kumari Poorvi Singh** secured **UR Rank 11** in the **AIIMS Biochemistry Entrance Examination**.
13. **Ms. Madhavi Mathur** secured **UR Rank 97** in **GAT-B**.
14. **Ms. Meghna Birla** secured **UR Rank 5** in **JNUEE-SCMM** and **UR Rank 17** in the **DUET M.Sc.-Ph.D. Biomedical Research Entrance Examination**.
15. **Ms. Muskan Tiwari** secured admission through **Merit-Based Selection** to **Bangalore University**.

16. **Ms. Ritu Singh** secured **UR Rank 1** in the **DUET M.Sc. Genetics Entrance Examination**.
17. **Ms. Ritu Singh** secured **UR Rank 17** in **BHU-PET**.
18. **Ms. Ritu Singh** secured **UR Rank 10** in **JNUEE-SCMM**.
19. **Ms. Ritu Singh** secured **UR Rank 24** in **JNUEE-SLS**.
20. **Ms. Sabika Ali** qualified **TIFR-JGEEBILS**.
21. **Ms. Sabika Ali** secured **AIR 63** in **IIT-JAM**.
22. **Ms. Sonali Goyal** secured admission through **Merit-Based Selection** for a postgraduate programme.

Research Internships / Training / Additional Courses

1. **Ms. Sabika Ali** completed a **Summer Research Project** under **Prof. Alok Bhattacharya** from **July 2020 to October 2021**.
2. **Ms. Himani Sareen** completed training on "**Techniques in Molecular Biology**" at **Punjab Agricultural University, Ludhiana**, acquiring hands-on experience in primer designing, PCR, RT-PCR, gel electrophoresis, nucleic acid isolation and quantification, SDS-PAGE, UV spectroscopy, chromatography, and bioinformatics tools during **July 2021**.
3. **Ms. Himani Sareen** completed a **one-month internship** in the **Department of Biochemistry, University of Delhi**, from **June to July 2021**.
4. **Ms. Himani Sareen** completed a **one-month internship** at **Franklin Laboratory (India) Pvt. Ltd.** from **May to June 2021**.
5. **Ms. Himani Sareen** completed a **Laboratory Internship** at a **Clinical Laboratory, Punjab**, in **March 2021**.

Research Publications

1. **Ms. Meghna Birla, Ms. Sunanda Yogi, Ms. Kanchan Chaudhary and Ms. Riya Gupta** published a research article titled "**Saliva: A Non-invasive and Multifaceted Tool in the Sphere of Diagnostics**" in the *Journal of Pharmaceutical Sciences and Research* (2022), co-authored with **Dr. Lakshmi P. Sarin** and **Dr. Sadhna Jain**.
2. **Ms. Chanchal Choudhary** authored a review titled "**The Advent of Nutrigenomics: A Narrative Review with an Emphasis on Psychological Disorders.**"
3. **Ms. Khyati Gupta and Ms. Anamika Sinha** authored a review titled "**Resistant Starch: Way to a Healthy Life.**"
4. **Ms. Meenakshi J.** authored a review titled "**Heterologous Production of Haemoglobin in Microorganism.**"

5. **Ms. Sabika Ali** authored a review titled "**The Multifarious Influence of Caffeine on Metabolic and Cognitive Functioning.**"

Research Paper / Poster Presentations

1. **Ms. Himani Sareen** presented a poster titled "**Grandmother's Way to Treat COVID-19: The Ayurveda Way.**"
2. **Ms. Himani Sareen** presented a paper titled "**The Multifarious Influence of Caffeine on Metabolic and Cognitive Functioning.**"
3. **Ms. Himani Sareen** presented a paper titled "**Anti-Atherosclerotic Effects of PPAR Alpha and Gamma.**"
4. **Ms. Himani Sareen** presented a poster titled "**A Case Study on Huntington's Disease.**"
5. **Ms. Anamika Sinha** presented a poster titled "**Mother Nature Has a Cure: The Need to Explore Traditional Medicine.**"

Summer Research Projects / Internships

1. **Ms. Sabika Ali** completed a **Summer Research Project** under the supervision of **Prof. Alok Bhattacharya** from **July 2020 to October 2021**.
2. **Ms. Himani Sareen** completed a **one-month internship** in the **Department of Biochemistry, University of Delhi**, during **June–July 2021**.
3. **Ms. Himani Sareen** completed a **one-month internship** at **Franklin Laboratory (India) Pvt. Ltd.** during **May–June 2021**.
4. **Ms. Himani Sareen** completed a **Clinical Laboratory Internship** at a clinical laboratory in **Punjab** during **March 2021**.
5. **Ms. Himani Sareen** underwent hands-on training in **Techniques in Molecular Biology** at **Punjab Agricultural University, Ludhiana**, covering primer designing, PCR, RT-PCR, gel electrophoresis, nucleic acid isolation and quantification, SDS-PAGE, chromatography, UV spectroscopy, and bioinformatics.

Additional Academic Courses / Skill Development

1. **Ms. Anamika Sinha, Ms. Chanchal Choudhary and Ms. Khyati Gupta** completed a **Bioinformatics Workshop** organized by the **Department of Biochemistry, University of Delhi**, held on **2–3 July 2021**.
2. **Ms. Himani Sareen** completed the **DBT-supported 10-day Workshop on "Techniques for Manipulation of Nucleic Acids for Applications in Genomics"** organized by **CIIDRET and DSSEED-IOE**.
3. **Ms. Himani Sareen** completed a **Bioinformatics Workshop** organized by the **Department of Biochemistry, University of Delhi**.
4. **Ms. Himani Sareen** completed a **Week-long Certificate Course on "Unifying Body and Mind with Yoga"** organized by the **National Service Scheme in collaboration with the National Cadet Corps, Miranda House, University of Delhi**.

5. **Ms. Himani Sareen** completed a **two-day workshop on "Scientific Writing and Communication"** organized by the **Department of Biochemistry, University of Delhi**, on **22–23 September 2020**.
6. **Ms. Himani Sareen** completed a **Two-day Webinar Series on "Applied Bioinformatics"** organized by the **Department of Microbiology, University of Delhi**.
7. **Ms. Khyati Gupta** completed **Cancer Biology Training** conducted by **Biotechnika**.
8. **Ms. Khyati Gupta** completed a course on **Molecular Biology and Biochemistry Techniques** conducted by **AIIMS Bhubaneswar**.
9. **Ms. Khyati Gupta** completed a course on **Biomarker Discovery** conducted by **Biotechnika**.
10. **Ms. Khyati Gupta** completed a course on **Chem-informatics and Drug Discovery** conducted by **Biotechnika**.
11. **Ms. Anamika Sinha** completed training in **Molecular Biology and Biochemistry Techniques** with **Edufabrica** in association with **Chiasma, AIIMS Bhubaneswar**.