

Mr. Devki Nandan — Assistant Professor (Department of Chemistry)

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RESEARCH INTEREST

- Design and synthesis of bioactive peptides.
- Peptide stapling and macrocyclization strategies.
- Synthetic organic chemistry.
- Medicinal chemistry approaches for developing structurally constrained therapeutic peptides.

EDUCATION

Indian Institute of Technology Kanpur	Kanpur, India
<i>Ph.D. Chemistry (Thesis Submitted), CGPA: 8.5/10</i>	<i>2019-26</i>
D. S. B. Campus Kumaun University, Nainital	Nainital, India
<i>M.Sc. Chemistry (68.1%)</i>	<i>2012-14</i>
D. S. B. Campus Kumaun University, Nainital	Nainital, India
<i>B.Sc. (61.8%)</i>	<i>2014-16</i>

Ph.D Thesis

Title	Peptide Stapling: Developing Strategies and Analysing Effects
Thesis advisor	Prof. Ramesh Ramapanicker

PUBLICATIONS

- **Devki Nandan**, Susanta Kumar Behera, and R. Ramapanicker. Peptide Stapling Using Sonogashira Coupling. *ChemBioChem*, 2025, 26, e202500041.
- Saikat Mandal, Debdipta Banik, Shreyasi Banik, **Devki Nandan**, R. Ramapanicker, Raju K. Gupta, and K. Mondal. From Trash to Treasure: Cattle Manure as a Potent Green Corrosion Inhibitor. *Bioresource Technology Reports*, 2024, 26, 101841.

- Preeti Kapri, **Devki Nandan**, and R. Ramapanicker. Total Synthesis of Koshidacin A. *EJOC*, 2026 (Just Accepted).

CONFERENCE

- Poster presentation at the **Indian Peptide Symposium** (BITS Goa), 2023
- Poster presentation at the **Research Scholar Day**, IIT Kanpur, 2023
- Poster presentation at the **37th European Peptide Symposium and 14th International Peptide Symposium**, Florence, Italy, 2024

SCHOLASTIC ACHIEVEMENTS

- Qualified CSIR-NET JRF (2017, 2018, 2019)
- Qualified Graduate Aptitude Test in Chemistry (GATE), 2017
- Qualified Uttarakhand State Eligibility Test in Chemistry (USET), 2019
- Awardee of INSPIRE, Scholarship for Higher Education (SHE) by DST, 2012

SKILLS

Experimental

Handling air and moisture-sensitive reactions under an inert atmosphere (LiAlH₄, nBuLi, etc.).

Proficient in Schlenk line and dry solvent techniques.

Skilled in handling highly sensitive reagents safely.

Instrumental

NMR, UV, CD, and HPLC

Software

ChemDraw, MestReNova, Origin, GaussView

TEACHING EXPERIENCE

- Assistant Professor, Garg PG College, Laksar, Haridwar, Uttarakhand— 2018-19
- Tutor for CHM101A course (B.Tech.) at IIT Kanpur — 2021
- Tutor for CHM503A course (M.Sc.) at IIT Kanpur — 2022
- Assistant Professor, Govt PG College Karanprayag, Chamoli, Uttarakhand— 2025-present

REFERENCES

Available upon request.