

Curriculum Vitae

Name: Dr Faheem Rasool
Employee ID: ATJHED00010164
Designation: Assistant Professor
Date of appointment: 06-04-2017
Date of Joining: 12-04-2017
Present place of posting: Govt. Degree College (Boys)Anantnag
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Specialization: Organic Chemistry
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❖ Education

- M.Sc Chemistry (2012) - **Jamia Millia Islamia, New Delhi**
- PhD-Organic Chemistry (2020)- **Indian Institute of Medicine (CSIR-IIIM) Jammu**
Title ‘Study Towards Stereoselective Synthesis of Medicinally Important Glycosides from Sugar Enol-Ethers’

❖ Honours and Awards

- Gold medal in M.Sc. Chemistry (2012) at Jamia Millia Islamia.
- Qualified CSIR-JRF with all India rank **18** in 2013.
- Qualified GATE-2013 with **99.12** percentile (all India rank 96).
- Qualified State Eligibility Test conducted by University of Kashmir in 2013.
- Awarded INSPIRE FELLOWSHIP from Department of Science and Technology in 2013.

❖ Teaching Experience: 5 years

- As an Assistant Professor at Govt. College for Women Parade, Jammu from 25th May 2017.

❖ Orientations and Refreshers Attended:

- Orientation programme for “Faculty in Universities/College/Institutes of Higher Education” organized by Teaching and Learning Centre, Ramanujan College, University of Delhi from 01-09-2020 to 30-09-2020.
- Refresher Course for “Advanced Research Methodology Tools and Techniques” organized by Teaching and Learning Centre, Ramanujan College, University of Delhi from 30-01-2021 to 14-02-2021.
- Refresher Course in Chemistry organized by UGC Human Resource Development Centre, University of Jammu from 03-03-2021 to 16-03-2021.

❖ NPTEL Courses Completed:

- Successfully completed and topped the NPTEL Online Course on “Structure, Stereochemistry and Reactivity of Organic Compounds and Intermediates: A problem Solving Approach” in Jan-Mar 2021.
- Successfully completed and topped the NPTEL Online Course on “Stereochemistry” in Sep-Nov 2020.

❖ Publications:

1. Diastereoselective synthesis of glycopyrans 1,2-annulated with dioxazinanes from 1,2-anhydrosugars and *N*-substituted nitrones. Ajaz Ahmed, Norein Sikander, **Faheem Rasool**, Nazar Hussain, Debaraj Mukherjee. *Org. Biomol. Chem.*, 2022, 20, 1436-1443.
2. Synthesis and Conformational Analysis of 2-*O*-Silyl Protected Nucleosides from Unprotected Nucleobases and Sugar epoxides. Ajaz Ahmed, **Faheem Rasool**, Gurpreet Singh, Meenu Katoch, Debaraj Mukherjee. *Eur. J. Org. Chem.*, 2020, 28, 4408-4416.
3. Construction of Fused Oxabicyclic Scaffolds from Glycals and Styrenes via One-Pot Domino Transformations. Monika Bhardwaj, **Faheem Rasool**, Madhu Babu Tatina, and Debaraj Mukherjee. *Org. Lett.*, 2019, 21, 3038–3042.
4. One-Pot Regioselective and Stereoselective Synthesis of C-Glycosyl Amides from Glycals Using Vinyl Azides as Glycosyl Acceptors. **Faheem Rasool**, Ajaz Ahmed, Nazar Hussain, Syed Khalid Yousuf, Debaraj Mukherjee* *Org. Lett.*, 2018, 20, 4036–4039.

5. Pd-Catalyzed Regio- and Stereoselective C-Nucleoside Synthesis from Unactivated Uracils and Pyranoid Glycals. **Faheem Rasool**, Debaraj Mukherjee* *Org. Lett.*, 2017, 19, 4936–4939.
6. Regiospecific Synthesis of Ring A Fused Withaferin A Isoxazoline Analogues: Induction of Premature Senescence by W-2b in Proliferating Cancer Cells. **Faheem Rasool**, Debasis Nayak, Archana Katoch, Mir Mohd Faheem, Syed Khalid Yousuf, Nazar Hussain, Chetan Belawal, N. K. Satti, Anindya Goswami, Debaraj Mukherjee* *Scientific Reports* volume 7, Article number: 13749 (2017).
7. Design and synthesis of indolopyridone hybrids as new antituberculosis agents. Muzafar Ahmad Rather, **Faheem Rasool**, Zubair Shanib Bhat, Hafiz-Ullah Dar, Mubashir Maqbool, Shajrul Amin,* Syed Khalid Yousuf,* Zahoor Ahmad* *Microbial Pathogenesis* 2017, 113, 330–334.
8. Reaction of Glycals with Organic Peroxides: Synthesis of 2-iodo, 2-Deoxy and 2,3-Unsaturated Glycosides. **Faheem Rasool**, Aabid H. Bhat, Nazar Hussain, Debaraj Mukherjee* *ChemistrySelect* 2016, 1, 6553 – 6557.
9. Diastereoselective sp²–sp³ coupling of sugar enol ethers with unactivated cycloalkenes: new entries to C-branched sugars. Nazar Hussain, Madhu Babu Tatina, **Faheem Rasool**, Debaraj Mukherjee* *Org. Biomol. Chem.*, 2016, 14, 9989–9992.
10. Palladium catalysed C (Sp²)-C (Sp²) bond formation. A highly regio- and chemoselective oxidative Heck C-3 alkenylation of pyrones and pyridines Hafiz Ul Lah, **Faheem Rasool** and Syed Khalid Yousuf* *RSC Adv.*, 2015, 5, 78958-78961.

❖ **Poster Presentations:**

1. Poster presentation on “**Regiospecific Synthesis of Ring A Fused Withaferin A Isoxazoline Analogues: Induction of Premature Senescence by W-2b in Proliferating Cancer Cells**” at Jiwaji University, Gwalior on 15-17th February 2018 (**International Conference**).
2. Poster presentation on “**Reaction of glycals with organic peroxides: Diastereoselective formation of 2-deoxy, 2,3-unsaturated and 2-iodo α-glycosides**” at Jammu University on 2-3rd December 2018 (**National Conference**).

❖ **Conferences/Seminars/Symposiums/Workshops attended: 07**

1. Participated in One day seminar on “**Recent Advances in Chemistry 2012**” at Jamia Millia Islamia on 12 March 2012.
2. Participated in One day seminar on “**Recent Advances in Chemistry 2011**” at Jamia Millia Islamia on 22 March 2011.
3. Participated in One day seminar on “**Chemistry in our lives- Issues and Challenges**” at Jamia Millia Islamia on 28 March 2011.
4. Participated in “**7th National Symposium and Conference on Solid State Chemistry and Allied Areas (ISCAS-2011)**” at Jamia Millia Islamia, New Delhi from 24-26 November 2011.
5. Participated in the “**Vibrant Education Summit**” at Gujrat from 10-11 January 2014.
6. Participated in UGC sponsored two day workshop on “**Ultra Low Power Biosensors and Implantable Microsystems**” at Shri Mata Vaishno Devi University, Katra on 2-3 December 2016.
7. Organised symposium on “**Radioactivity and Human Sustainability**” at Govt. College for Women Parade, Jammu on 15-11-2017.