



Dr. Mayank G. Sharma,

Assistant Professor – Chemical Sciences

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Education

- Ph.D. (Chemistry) - Department of Chemistry, Sardar Patel University, Vallabh Vidyanagar, passing year 2020. Thesis titled “Synthesis of novel heterocyclic compound via multicomponent reactions and their biological evaluation”
- M.Sc. (Organic Chemistry) - Sardar Patel University, Vallabh Vidyanagar, passing year 2013
- B.Sc. (Chemistry) - Sardar Patel University, Vallabh Vidyanagar, passing year 2011

ADDITIONAL QUALIFIED EXAMINATION

GATE - 2015 (Chemical Science)

Key Skills

Dr. Mayank Sharma is capable of providing comprehensive solutions to industry and other government bodies in the following areas:

- Synthesis of organic compounds via green route
- Process development (Organic Synthesis)
- Development of bioactive compounds

Background

Joined GSFC University in Feb 2022.

Scholarship and Accomplishments

- Dr. Mayank Sharma is a proficient researcher. Broadly defined, Mayank’s research interests are in organic synthesis via green approach, He has been awarded a Fellowship award (JRF & SRF) by SERB, New Delhi for major research project under investigation of Prof. (Dr.) Hitendra M. Patel, SP University. He has delivered expert talk at Ami Life-Sciences, One of the leading MNC as a part of their training programme. He has trained more than 30 trainees over there.
- Dr. Mayank Sharma has been awarded best Poster prize for poster presentation of research paper at national conference NCSCFC-2019 organized by Department of Chemistry, VNSG University, Surat.
- Dr. Mayank has a teaching experience of more than 2.5 years wherein he has served as Faculty at Ratnamani Institute-Bahucharaji - Mehsana and then, GSFC University. He teaches Basic Chemistry and Organic Chemistry to science students at M.Sc. and B.Sc. Program. He exposes students to science fundamentals and has chosen teaching to as a way to conduct research in

education. He has guided many students at undergraduate level for their research work.

- Dr. Mayank has many publications with most of them being published in Journals with good impact factor and of International repute. Dr. Mayank has undertaken research problems given by the GSFC Ltd and he is working on it with students of GSFC University.

Most Notable Publications

1. Green approach for synthesis of bioactive Hantzsch 1, 4-dihydropyridine derivatives based on thiophene moiety via multicomponent reaction MG Sharma, DP Rajani, HM Patel, Royal Society open science, 2017, 4 (6), 170006

2. Anti-Proliferative 1, 4- Dihydropyridine and Pyridine Derivatives Synthesized through a Catalyst-Free, One-Pot Multi-Component Reaction, MG Sharma, RM Vala, DM Patel, I Lagunes, MX Fernandes, JM Padrón, H.M Patel, Chemistry Select, 2018, 3 (43), 12163-12168

3. One-Pot Assembly for Synthesis of 1, 4-Dihydropyridine Scaffold and Their Biological Applications, MG Sharma, J Pandya, DM Patel, RM Vala, V Ramkumar, R Subramanian, H.M. Patel, Polycyclic Aromatic Compounds, 2019, 5, 1-11

4. Pyridine-2-carboxylic acid as an effectual catalyst for rapid multi-component synthesis of pyrazolo [3, 4 - b] quinolinones, MG Sharma, RM Vala, HM Patel, RSC Advances, 2020, 10, 35499- 35504