

FACULTY PROFILE



Dr. Mayuri M. Naik

Designation: Assistant Professor in Chemistry

Qualifications: M. Sc., Ph. D, CSIR-NET

Specialization: Organic Chemistry

Email Id: mmn008@chowgules.ac.in

Area of Research Interest: Synthetic organic chemistry, Heterocyclic chemistry, Biological activity studies, etc.

Accomplishments:

- Completed **M.Sc.** in organic chemistry with **Grade O** from Goa University in 2010.
- Cleared **CSIR-NET-JRF** Council of Scientific and Industrial Research-National Eligibility Test exam in December 2010.
- Awarded **Junior Research Fellowship (JRF)** by the Council of Scientific and Industrial Research (CSIR), New Delhi, India for two years for Ph. D programme.
- Awarded **Senior Research Fellowship (SRF)** by the Council of Scientific and Industrial Research (CSIR), New Delhi, India for three years for Ph. D programme.

- Successfully defended **Ph. D viva voce** on 22nd February 2019 on research topic “**Synthetic studies in oxygen heterocycles**” under the guidance of Prof. Vijayendra P. Kamat and Prof. Santosh G. Tilve, Department of Chemistry, Goa University.
- Awarded **Ph. D degree in Chemistry** on 24th February 2020 at the hands of Prof. Varun Sahani, Vice-Chancellor, Goa University at the Goa University 32nd Annual Convocation ceremony held at Dinanath Mangeshkar Kala-Mandir, Kala Academy, Campal, Panaji – Goa.
- Worked as an **Assistant Professor in organic chemistry** for **PG section** (M. Sc. in organic chemistry) for the academic year 2016-17 and for the period of June-November 2017.
- **Assistant Professor in chemistry** at **UG section** (B. Sc. in chemistry) for B. Sc. chemistry students from December 2017 onwards in Parvatibai Chowgule College.
- **Board of Studies, Member secretary** for UG Department of Chemistry, Parvatibai Chowgule College from 5th BOS meeting held on 7th April 2018 onwards.
- **Mentor** for CSIR-NET Mentoring Programme from May 2018 onwards conducted by DHE, Goa.
- **NSS Programme Officer**, Parvatibai Chowgule College from 6th September 2018 onwards.
- **Presiding Officer** in Lok Sabha Elections’ held in April 2019.
- **Awarded 3rd Prize** for the poster presented on T. Y. B. Sc. chemistry project work in the category of Faculty of Natural and Earth Sciences in poster competition held at the annual event of research poster presentation “Prerna Diwas” in Parvatibai Chowgule college, Autonomous on 28th February 2019.
- Completed a course – “**104th Orientation Programme**” organized by UGC-HRDC, Goa University held from 30/07/2019 to 26/08/2019 (28 days) with Grade A.
- Completed **1st Online Refresher Course in Chemistry** organised by UGC-HRDC, Gujarat University, Ahmedabad from 28/09/2020 to 11/10/2020 (14 days) with Grade A.
- **Resource person** for the promotional activity of Science Film Festival of India (SCIFFI) 2019 organized by Vidnyan Parishad, Goa and Department of Science and Technology, Government of Goa on 28th November 2018 in St. Aloysious High

School, Benaolim and Shree Damodar Vidhyalaya English High School, Comba Salcette.

- **Resource person** for the Prefest activity of Science Film Festival of India (SCIFFI) 2020 organized by Vidnyan Parishad on 28th November 2019 in Damodar Higher Secondary, Gudi.
- **Convener** of an Interclass Chemistry Quiz Competition **CHEMQUIZ 2019** organized for first, second and third year chemistry students of Parvatibai Chowgule College on 30th January 2019.
- **Convener** of the Intercollegiate Event **KYNESIS 2020** held on 26th February 2020.
- **Convener** of the **Poster Competition** organized for first, second and third year chemistry students of Parvatibai Chowgule College to commemorate National Science Day 2021.
- Participated in various online courses, seminars, webinars, symposiums, conferences, FDP, Workshops, etc.

Research Publications:

1. Molecular iodine catalyst promoted synthesis of chromans and 4-aryl-3,4-dihydrobenzopyran-2-ones via [3+3] cyclocoupling

Naik M. M.; Kamat, D. P.; Tilve, S. G.; Kamat, V. P.

Tetrahedron **2014**, 70 (34), 5221-5233

2. Pyrrolidine and iodine catalyzed domino aldol-Michael-dehydrogenative synthesis of flavones

Naik M. M.; Tilve, S. G.; Kamat, V. P.

Tetrahedron Lett. **2014**, 55 (22), 3340-3343

3. Graphite as an effective catalyst for Michael addition of indoles to nitroolefins in aqueous alcoholic solution

Parsekar, S. B.; Naik, S.; **Naik, M. M.**; Tilve, S. G.

Monatsch. chem. **2015**, 146, 691-696

4. Molecular iodine

Naik, M. M.

Iranian Journal of Catalysis SPOTLIGHT **2015**, 5 (4), 383-385

5. Copper-mediated synthesis of coumestans *via* C(sp²)-H functionalization: Protective group free route to coumestrol and 4'-O-methylcoumestrol

Naik M. M.; Kamat, V. P.; Tilve, S. G.

Tetrahedron **2017**, 73 (37), 5528-5536

6. α -Glucosidase inhibition activity & *in silico* study of 2-(benzo[d][1,3]dioxol-5-yl)-4H-chromen-4-one, a synthetic derivative of flavone

Meena, S. N.; Kumar, U.; **Naik, M. M.;** Ghadi, S. S.; Tilve, S. G.

Bioorg. Med. Chem. 2019, 27 (12), 2340-2344
