

CV of Dr. Swarnali Pathak

Name: Dr. Swarnali Pathak
Designation: Assistant Professor and HoD (i/c)

Address for Communication: (office) Department of Chemistry
Girijananda Chowdhury University,
Assam Azara, Guwahati – 17
Mobile No.:9957569231

WA No: 9957569231

Email: swarnali_chemistry@gcuniversity.ac.in

Educational Qualifications:

Sl. No.	Examination Passed	Board / Council / University	Specialization
1	HSLC/10 th Std.	SEBA	
2	HSSLC/10+2 Std.	AHSEC	
3	B.Sc. (Chemistry Honours)	Gauhati University	Chemistry Honours
4	M.Sc. in Chemistry	Gauhati University	Organic Chemistry
5	Ph. D. in Chemistry	Gauhati University	Title of the Thesis- Transesterification with a Novel catalyst derived from Banana plant.

Languages known:

(Read, Write & Speak)

Read- Assamese, English, Bengali, Hindi.

Write- Assamese, English

Speak- Assamese, English, Hindi, Bengali.

Academic/ Administrative Experience:

Academic Experience- Teaching Experience -18 years

Administrative Experience- 1 year

List of Publications:

1. **S. Pathak** “A Short Review on Enzyme Catalyzed Transesterification”, *Journal of Emerging Technologies and Innovative Research*, 2022, 9(12), e528-e533, ISSN-2349-5162.
2. **S. Pathak** and D. C. Deka “Transesterification of Dicarboxylic Esters with *Kolakhar* made from *Musa balbisiana* as a Catalyst”, *Journal of Emerging Technologies and Innovative Research*, May 2019, Vol 6, Issue 5, 270-274, ISSN-2349-5162.
3. **S. Pathak** and D. C. Deka, “Transesterification with a green catalyst obtained from post-harvest Banana plant waste”, *J. Chem. Pharm. Res.*, 2016, 8(7), 486-491, ISSN-0975-7384.
4. **S. Pathak**, “Acid catalyzed transesterification”, *J. Chem. Pharm. Res.*, 2015, 7(3), 1780-1786, ISSN-0975-7384.
5. **S. Pathak** and D. C. Deka, “Comparison between the catalytic activity of water soluble and water insoluble parts of the catalyst derived from trunk of *Musa balbisiana* Colla for Transesterification”, *Int. J. Pharm. Life Sci.*, 2014, 5(1), 3217–3220.
6. **S. Pathak** and D. C. Deka, “Transesterification of dimethyl malonate with a novel catalyst derived from *Musa balbisiana* Colla”, *Int. J. Sci. Eng. Res.*, 2014, 5(1), 70–72, ISSN-2229-5518.

Seminar/Conference Participated

1. **S. Pathak** and D. C. Deka, “*Transesterification from lower to higher esters using plant waste*”, Oral presentation at CDCS-2015 organized by the Dept. of Chemical Sciences, Tezpur University, November 23-24, 2015.
2. Attended National Seminar on Chemistry Education and Research and National Convention of Chemistry Teachers (NCCT-12), November 1- 4, 2012 at Gauhati University.
3. **S. Pathak**, “*Transesterification with a Novel Catalyst Derived from Banana Plant*”; oral presentation at the 57th Annual Technical Session of the Assam Science Society, 16th March, 2012, at Gauhati University.
4. **S. Pathak** and D.C. Deka, “*Transesterification with a Novel Catalyst Derived from Banana Plant*”; poster presented during 18th International Conference (Post ISCBC-2012), 28th to 30th January, 2012, at IASST, Boragaon.
5. **S. Pathak**, “*Transesterification with a Novel Catalyst Derived from Banana*”; oral presentation at 55th Annual Technical Session of the Assam Science Society, 15th February, 2010.
6. S. Basumatary, K. Dutta, **S. Pathak**, T. Mudoi, P. Saikia and D.C. Deka, “*Transesterification of Non-edible Vegetable Oils by using a Novel Catalyst derived from Banana Plant*”; poster presented during the 96th Indian Science Congress held at North-Eastern Hill University, Shillong, January 3 to 7, 2009.

FDP/Workshop/STTP

1. Successfully completed 5-day face-to Face UHV-II-FDP organized by AICTE from 8th January to 12th January, 2024.
2. Successfully completed 5-day online FDP on the theme “Inculcating Universal Human Values in Technical Education” organized by AICTE from 20th February to 24th February, 2023.
3. Successfully completed one-week Online training programme on “Multimedia for Teaching” conducted by NITTR, Chennai from 07-03-2022 to 11-03-2022.
4. AICTE Training and Learning (ATAL) Academy online FDP on “Leadership and Excellence” from 2020-9-7 to 2020-9-11 at Utkal University.
5. “Faculty development Program for Student Induction (FDP-SI)” during 23-25 January, 2020 at Scholars Institute of Technology and Management, Guwahati organized by All India council for Technical Education (AICTE).
6. TEQIP-III Sponsored One -Week Faculty Development Programme on Advancement in Mechanical Engineering”, organized by Assam Science and Technology University (ASTU) in association with Department of Mechanical Engineering, Girijananda Chowdhury Institute of Management and Technology-Guwahati from 23rd to 27th September, 2019.
7. One-Day Workshop on “The Role of IQAC in Quality Enhancement in Technical Institutes”, organized by Assam Science and Technology University in association with Girijananda Chowdhury Institute of Management and Technology-Guwahati, under TEQIP-III, MHRD, New Delhi, held on 9th September, 2019.
8. Faculty Development Programme on “Green Technology for Sustainable Development” held from 17th to 21st December, 2018 organized by the Department of Chemical Engineering, Assam Engineering College, Guwahati under TEQIP-III.
9. Participated in the symposium entitled “Contribution of Maulana Abul Kalam Azad as a Freedom Fighter and Educationist” on the occasion of National Education Day organized by GIMT, Guwahati on 10th November, 2018.
10. Successfully completed the “Faculty Development Programme on “Behavioral Remodeling for Enhancing the Classroom Delivery of Teachers”, organized by E&ICT Academy, IIT Guwahati, held from 21-26 May, 2018 at GIMT, Guwahati.
11. Participated in the Symposium “Beat the Plastic Pollution” organized by ECO Club, GIMT Guwahati, June 5, 2018.
12. Participated in the Workshop for the Mentor Faculties on “Induction Programme for Students” organized by ASTU under TEQIP -III on 10 July, 2018, at GIMT, Guwahati.
13. Successfully completed one-week Short Term Training Programme on “Design of outcome based Curriculum” held at NITTTR Kolkata Extension Centre, Girls’ Polytechnic Campus, Bamunimaidam, Guwahati from 15th May, 2017 to 19th May, 2017.

14. Participated in the seminar “*Non-Conventional Sources of Energy: Prospects and Challenges*” organized by the Dept. of Basic Sciences & Humanities of Royal School of Engineering and Technology (RSET), Guwahati on 30th January, 2016.
15. Successfully completed the Faculty Development Programme (FDP) on “*Meeting Global Challenges in Meeting Higher Technical Education*” organized by Girijananda Chowdhury Institute of Management and Technology (GIMT), Guwahati during 28th July to 1st August, 2015.
16. Successfully completed the workshop on Techniques in Analytical Chemistry, 13-14 December, 2013, organized by the Department of Chemistry, Cotton College, Guwahati.
17. Attended National Seminar on Chemistry Education and Research and National Convention of Chemistry Teachers (NCCT-12), November 1-4, 2012 at Gauhati University.
18. Participated in the “Orientation Programme on Chemical theories and Applications” during 19th to 21st February, 2005 at Gauhati University organized by Indian Academy of Sciences

NPTEL/SWAYAM COURSES –

1. Successfully completed a 2-credit Swayam course “National Education Policy-2020: Professional Development Programme” held from March 16-15 April, 2023.
2. Successfully completed NPTEL 8 weeks online course “Enhancing Soft Skills and Personality” with certificate under SWAYAM Platform, February-April 2020.

Research Experience: 8 years

Membership of Professional bodies: Life Member of Indian Science Congress Association.



Date : 27/05/2024

Dr. Swarnali Pathak