

Curriculum Vitae



Name Gaurav Singh
Designation Assistant Professor
Department Department of Oil Technology,
School of Chemical Technology,
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Personal Profile

Father's Name: Mr. Ram Bahadur Singh

Date of Birth: 20th- May, 1996

Residence: Poore Mounas, Bhadri, Kunda, Pratapgarh, U. P. Pin: 230201

Academic Qualifications

| Sl. No. | Degree | Year | Institution / Board / University | Percentage Marks / SGPA |
|---------|--------------|------|---|-------------------------|
| 1. | High School | 2011 | Tulsi I C Babuganj, Jamethi, Pratapgarh, U.P. Board | 68% |
| 2. | Intermediate | 2013 | Tulsi I C Babuganj, Jamethi, Pratapgarh, U.P. Board | 84.6% |
| 3. | B. Tech. | 2019 | Harcourt Butler Technological Institute, Kanpur, A.K.T.U. | 66.4% |
| 4. | M. Tech. | 2021 | Harcourt Butler Technical University, Kanpur | 8.6 SGPA |

Academic Projects

1. Completed the M. Tech. project entitled "Study on synthesis of fatty acid dimers and their applications".

2. Completed the B. Tech. Project entitled “Extraction of nutraceuticals from oils using supercritical extraction technique”.

Internships/ Trainings

1. Summer internship at B.L. Agro Industries Ltd. for 42 days in oil refinery and quality control lab.
2. 2 days industrial visit at Indagro Foods Pvt. Ltd. Unnao in Effluent Treatment Plant.

List of Publications: Published/Accepted in Journals

1. G. Singh, P. K. S. Yadav, (2022) Synthesis of fatty acid dimers and their applications: An overview, *Indian Journal of Advances in Chemical Science*, 10,1, 47-57.
2. Gaurav Singh and P.K.S. Yadav, (2021) Hazardous waste characteristics and standard management approaches, *Hazardous Waste Management, An Overview of Advanced and Cost-Effective Solutions*, 145-163.
3. Gaurav Singh, P. K. S. Yadav, (202) Synthesis of nano lubricant additives: a review, *International Journal of Creative Research Thoughts*.
4. G. Singh, P. K. S. Yadav, S. Rajwani, (2021) Clay catalyzed dimerization of linseed oil: Synthesis of linseed oil dimers, *International Journal of Research in Engineering and Science*. 9, 10, 60-64.
5. G. Singh, S. Rajwani, P. K. S. Yadav, (2019) Biolubricants, Nano Lubricant Additives: A Review, *Journal of Lipid Science and Technology*. 7, 51, 81-98.

Published in Conference Proceedings

1. G. Singh, S. Rajwani, P.K.S. Yadav. (2021) “Dimer acid based polyurethanes: A second generation raw material for coating industry”, presented in International Conference on Green Chemistry and Engineering towards Sustainable Development – An Industrial Perspective (16-18 June 2021), Organized by Department of Chemical Engineering, Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat, Gujarat – 395007, India.

Short-term courses/ Workshop/ Seminar Attended

1. Attended one day online national workshop on Basics of Tribology and its Real-life Application (Conducted as part of the Centenary Year Celebrations of HBTU Kanpur) Organized Jointly by Department of Oil Technology, HBTU Kanpur, Oil Technologists’ Association of India (HQ) & Anton Paar India Pvt. L.td. scheduled on 03rd September, 2021.
2. Attended International Conference on Green Chemistry and Engineering towards Sustainable Development – An Industrial Perspective (16-18 June 2021) Organized by Department of Chemical Engineering, Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat, Gujarat – 395007, India

3. Attended 75th annual convention and international conference on limiting trans fats in oil and fats below 2% before 2022: Challenges and potential solution organized on 28th feb-2021 organized by OTAI.
4. Attended 74rd annual convention and international conference on Process audit in oil seeds and oil processing industries organized by OTAI.
5. Attended 73rd annual convention and international conference on value addition in oilseeds, oils and derivatives through innovative technologies held at IIT-BHU, organized by OTAI.
6. Attended surfactant and oil seminar under the department of Oil Technology HBTU Kanpur funded by TEQIP.
7. Attended seminar of food procurement organized by department of Bio Chemical Engineering and Food Technology HBTU Kanpur funded by TEQIP.

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| Declaration |
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I hereby declare that the above written particulars are true and correct to the best of my knowledge and belief.

Place: Kanpur