

## Curriculum Vitae

### **Personal Information**

Name - Dr. Panshu Pratik

Date of Birth: 24/02/1992

Nationality: - Indian

Contact: - Mobile 778107798      Email: -pratikpanshu@gmail.com

Current Position: - Guest Faculty

Department of Chemistry, C.M. Science College, Darbhanga

### **Education**

Ph.D in chemistry from Lalit Narayan Mithila University in 2019 on the topic: Physico-Chemical Study of Extraction, Characterization, and Isolation of High Value Bioactive Compounds in Some Important Aromatic and Medicinal Plants.

M.Sc (Gold Medalist) in Chemistry from Lalit Narayan Mithila University in 2016.

B.Sc (University Topper) in Chemistry from Lalit Narayan Mithila University in 2013.

### **Teaching Experience**

Working as Guest Faculty in the Department of Chemistry, C.M. Science College, Lalit Narayan Mithila University, Darbhanga (Bihar) from 12th July 2022 to till date (continuing).

### **Research Publications**

- 1) General Methods of extraction, isolation and characterisation of Bioactive Compounds from medicinal Plants  
Panshu Pratik and Prem Mohan Mishra  
Mithila Journal of Chemistry  
Volume 3, 2017 Page 61 – 70
- 2) Analysis and identification of chemical components present in the extract of Rauvofia serpentine  
Panshu Pratik and Prem Mohan Mishra  
Mithila Journal of Chemistry  
Volume 3, 2017 Page 103 -112

- 3) Superficial Fluid Extraction, Identification and Characterisation of High Value Bioactive Compounds from Medicinal and Aromatic Herbs along with Study of their Antimicrobial Activity  
Panshu Pratik and Prem Mohan Mishra  
Journal of Scientific and Technical Research  
Vol 8 (2), December 2018, 21-24
- 4) Study of Isolation, Characterisation and Antimicrobial Activity of High Value Bioactive Compounds from Methanolic Extract of Leaves of Tilkor (Momordica Monadelpha)  
Panshu Pratik and Prem Mohan Mishra  
Oriental Journal of Chemistry  
2018, Vol. 34, No. (6): Pg. 3145-3152
- 5) Determination of stability constant and evaluation of related thermodynamic parameters of coordination of transition metals with schiff's base ligand  
Prem Mohan Mishra, Kapileshwar Mishra, Sanjay Kumar Jha, Sanjay Kumar Mishra, Panshu Pratik, and Bimallesh Kumar Yadav  
International Journal of Current Advanced Research  
Volume 7; Issue 5(L); May 2018; Page 13098-13106
- 6) Study of Phytochemicals, Spectroscopic Analysis and Anti-Microbial Activity of High Value Bioactive Compound from Methanolic Extract of Flower of Tilkor (Momoradica Monadelpha)  
Panshu Pratik and Ram Vinay Thakur  
Journal of Chemistry and Chemical Sciences,  
Vol. 10(3), 127-142, March, 2020
- 7) Study of antibacterial activity of methanolic extract of different parts of Momoradica Monadelpha (tilkor): an ancient indian traditional medicinal plant  
Dr. Panshu Pratik and Dr. Ram Vinay Thakur  
International Journal of Current Advanced Research  
Volume 9; Issue 03 (A); March 2020; Page No 21491-21494
- 8) Phytochemical Examination, Spectroscopic analysis, and Antimicrobial Test of compounds from Ethanolic extract of fruit of Tilkor (Momoradica Monadelpha)  
Panshu Pratik  
International Journal of Multidisciplinary Educational Research

Volume: 9, issue: 4(4), April: 2020

- 9) Chemical analysis and pharmacological activities of some important medicinal aromatic plants: A review  
Dr. Panshu Pratik  
International Journal of Multidisciplinary Educational Research  
Volume: 9, issue: 5(8), May: 2020
- 10) Comparative Physico-Chemical, Phytochemical, GC - MS and Antibacterial Studies between Ethanolic Extract of Fresh Green Leaves and Sun Dried Leaves of Tilkor (*Momoradica Monodelpha*)  
Panshu Pratik and Ram Vinay Thakur  
Asian Journal of Advanced Basic Science 2020 vol. 8(2), 01-08
- 11) Antimicrobial Examination of Mucilage Obtained from Fruits of Tilkor [*Mamoradica Monodelpha*]: A Potential Medicinal Plant  
Panshu Pratik and Md. Athar Shadique  
J. Biol. Chem. Chron. 2020, 6(1), 05-09
- 12) Synthesis, structural characterization and antibacterial studies of Fluoroquinolone Drug-Ciprofloxacin  
Md. Athar Shadique, Panshu Pratik, and Praphulla Kumar Singh  
Journal of Ultra Chemistry vol. 16(5), 58-62 (2020).
- 13) GC-MS, Analysis, Antimicrobial Examination and Antioxidant Properties of the Leaves of Tilkor [*Momoradica Monodelpha*] in Different Solvents  
Panshu Pratik and Md. Athar Shadique  
J. Biol. Chem. Chron. 2020, vol. 6(2), 01-10
- 14) Synthesis of 3-Substituted benzyl-6-phenyl-1, 2-dihydro-1, 2, 4,5-tetrazine and Assignment of Structural Formula  
Ram Vinay Thakur, Shabina Perween, A. K. L. Das, K. K. Jha, Panshu Pratik & S. R. Kumar  
J. Biol. Chem. Chron. 2020, vol. 6(2), 16-21
- 15) Synthesis and Spectral Characterization of Fluoroquinolone Drug-

Norfloxacin

Md. Athar Shadique and Panshu Pratik

Asian J. Adv. Basic Science 2020, vol.8 (2), 09-11

- 16) Examination of Anti-Bacterial Activity and Phytochemical Investigations of leaf and stem extracts of Momoradica Monodelpha (Tilkor) in Organic Solvent, Dr. Panshu Pratik, Dr. Shabina Perween, Vol. 10, Issue 10, Oct 2022, Pg-360-366.  
Journal: - International Journal of All Research Education and Scientific Methods.
- 17) Phytochemical Investigation and Antimicrobial Examination of the organic and aqueous extract of fruit of Momoradica Monodelpha.  
Author: Panshu Pratik and Shabina Perween.  
International Journal of Current Advanced Research  
Vol. II, Issue 10 (A), Oct 2022. Pg. No-1644-1647
- 18) Biochemical analysis, Phytochemical Screening, and antimicrobial assay of aqueous and organic extract of different parts of Tilkor (Momoradica Monodelpha)  
Dr. Panshu Pratik & Dr. Shabina Perween.  
International Journal of Multidisciplinary Educational Research.  
Vol II Issue 10 (6) Oct 2022. Pg 38-44.
- 19) Phytochemical & Pharmacological Screening of Momoradica Monodelpha  
Dr. Panshu Pratik & Dr. Nidhi Jha  
Sodh Samalochan  
Vol. 10 Issue 2 April 2024
- 20) Chemical Constituent Present in Ethyl Acetate Extract of Steam of Momoradica Monodelpha  
Dr. Panshu Pratik & Dr. Shabina Perween.  
International Journal of all Research Education and Scientific Methods.  
Vol. 12 Issue (5) May 2024 Pg. 2653-2655
- 21) Efficacy & Safety of Momoradica Monodelpha (Tilkor) on Blood Glucose and Lipid Profile: An updated Systematic Review and Meta-Analysis  
Dr. Panshu Pratik

**Paper presented at Seminar / Conferences**

1. Workshop on Recent Trends in Chemistry University Department of Chemistry, LNMU, Darbhanga (2014)
2. International Seminar on Role of Higher Education in Nation Building  
C. M. Science College, LNMU, Darbhanga (2016)
3. National Seminar on Physico-Chemical Studies on Sub-Water Surface Quality of Different Water Bodies at Darbhanga city Department of Chemistry, M.G.College LNMU, Darbhanga ( 2016 )
4. National Seminar on Synthesis in Green Chemistry  
University Department of Chemistry, LNMU Darbhanga (2017)
5. National Seminar on Applications of Green Chemistry in the Remediation of Environment Department of Chemistry M.L.S.M College LNMU, Darbhanga (2018)
6. National Seminar on Medicinal Chemistry University Department of Chemistry, LNMU Darbhanga (2019)
7. International E- Conference on Covid 19 Pandemic: Society and Science  
MK College, LNMU, Darbhanga (2020)
8. National E- Conference on COVID-19 Pandemic: Way of Life  
M. K. College, LNMU, Darbhanga (2020)
9. International Webcon on Recent Advances in Chemistry Education and Chemical Research Department of Chemistry M.L.S.M College LNMU, Darbhanga (2020)

10. International E-conference on Multifunctional Material and Environment  
University Department of Chemistry, LNMU, Darbhanga (2021)

11. International conference on Emerging Trends in Science and Technology  
M.L.T College, B.N Mandal University, Madhepura (2022)

12. International seminar on New Frontier in Chemical Sciences.

C.M. Science, College, LNMU, Darbhanga, (2022)

13. International conference on role of basic sciences for sustainable future,  
University Department of Chemistry, LNMU, Darbhanga (2023)

14. Two-day National seminar on academia industry interference for NMR  
analysis, Department of Chemistry, B.R.A University, Lucknow (2023)

15. Seminar on mindset: Be the change

MLSM College, LNMU, Darbhanga (2024)

16. International conference on innovative practices for accelerated growth in  
commerce, management, Humanities, Science and Technology

Tribhuvan University, Kathmandu, Nepal (2025)

17. International seminar on intellectual property and advances in chemical  
sciences C.M. Science, College, LNMU, Darbhanga, (2025)