

Dr. Sneha Navin
Research Assistant (RA)
Co-In charge - Microbiology & Imaging Lab
Research Department
Mahavir Cancer Sansthan & Research Centre, Patna, Bihar.



CAREER OBJECTIVE:

To pursue a challenging assignment which demands responsibilities, innovations and creativity where I can prove myself worth and contribute towards the organization's growth and personal advancement.

EXPERIENCES:

Research Assistant (RA) (March 2022 till date) Working as RA & Co In-charge Microbiology & Imaging Lab, Research Department at **Mahavir Cancer Sansthan & Research Centre, Patna, Bihar.**

Teaching & Research (August 2019 – March 2022) Assistant Professor, School of Biological Engineering & Sciences, **Shobhit University Gangoh Saharanpur, Uttar Pradesh.**

Industrial (6 Month): From **January 2018 – June 2018** Senior Scientist VV Biotechnology Pvt. Ltd. Bodhgaya, Bihar.

Research (4 Years); From **November 2013 - December 2017** tenure of PhD research program. Research work was done from **LNMU Darbhanga** in collaboration with **Mahavir Cancer Sansthan & Research Centre, Patna (Bihar).**

Teaching (1.5 Years); Faculty (From Aug 2011-Dec 2012) at Post-Graduate level, Department of Biotechnology, **Lalit Narayan Mithila University, Darbhanga (Bihar).**

AWARDS & MEMBERSHIP:

October 2021 ESDA Young Scientist Award, World Environment Summit 2021 organized by Environment & Social Development Association (ESDA), New Delhi.

August 2021, Lifetime membership in **Environment and Social Development Association (ESDA),** New Delhi, India.

January 2017 Best Poster Presentation Award in National Symposium on Environment and Health 2017 (EH-17) organised by Mahavir Cancer Institute & Research Centre, Patna (Bihar).

PROFESSIONAL CERTIFICATION:

Post-Graduate Diploma in Diabetes Educator (1 Year) from Dr. Mohan's (Diabetes specialties center), Chennai, Tamil Nadu, India in **2019.**

B.Ed. From Kurukshetra University (2 Year)

CONFERENCE/ SEMINAR/SYMPOSIUM/WORKSHOP:

International Conferences– **15**, National Conferences – **25** and National Workshop – **10**

RESEARCH PUBLICATIONS:

Full length research articles- **10**, Book Chapter Proceeding- **2** & Online Abstracts- **2**

Navin S, Jha J, Abhinav, Kumari R, Kumar A, Ghosh A, et al. (2021) Nephroprotective Effect of *Tinospora cordifolia* and Metformin on Alloxan Induced Diabetic Mice. **Ann Diabetes Res.** 5(1): 1015.

Kumari R, Singh AK, **Navin S** and Abhinav (2021): Nephroprotective effect of *Cuminum cyminum* seeds extract on diabetic mice model. *Int J Pharm Sci & Res* 2021; 12(10): 5589-94. doi: 10.13040/IJPSR.0975-8232.12(10).5589-94.

Sneha N, Abhinav S, Divya P, Roushan K, Ranjit K (2021) Management of Type-2 Diabetes Mellitus through Indian Medicinal Plants. *J Diabetes Metab.* 12:892

Srivastava A, **Navin S**, et. al., (2019) Health impact of chronic arsenic exposure in the population of Gyaspur-Majhi village, Patna, Bihar, India. **Proceedings** of the 7th International congress on Environmental arsenic in a changing world (As2018), July 1-6, 2018 – Beijing, China **Taylor & Francis group**, London 369-370 ISBN 978-1-138-48609-6 eBook ISBN9781351046633 <https://doi.org/10.1201/9781351046633>

Abhinav, **Sneha Navin et al.**, (2017) Arsenic contamination of groundwater and human blood in Vaishali district of Bihar, India: health hazards. **Int. J. Adv. Res.** 5(8), 2092-2100. Article DOI:10.21474/IJAR01/5276, DOI URL: <http://dx.doi.org/10.21474/IJAR01/5276>

Sneha Navin et. al., (2017) Comparative hypoglycemic and nephroprotective effect of *tinospora cordifolia* and metformin on alloxan induced diabetic mice. **World Journal Of Pharmaceutical And Medical Research** 3 (3), 89-92, DOI: 10.21474/IJAR01/3130 DOI URL: <http://dx.doi.org/10.21474/IJAR01/3130>

Sneha Navin et. al., (2017) Hepatoprotective effect of *Nigella sativa* on Diabetic mice. *Int. J. Adv. Res.* 5(2), 181-188 Article DOI: 10.21474/ijar01/3130 DOI URL: <http://dx.doi.org/10.21474/ijar01/3130>

Abhinav, **Sneha Navin et. al.**, (2016) Prevalence of High Arsenic Concentration in Darbhanga District of Bihar: Health Assessment. *J Environ Anal Toxicol* 6: 410. DOI: 10.4172/2161-0525.1000410

Abhinav, **Navin S**, Kumar A, Ghosh AK et. al., (2016) Groundwater and blood samples assessment for arsenic toxicity in rural population of Darbhanga district of Bihar, India., **Proceedings** of the 6th International congress on arsenic in the environment, Stockholm, Sweden, 19-23 June 2016, *Arsenic Research & Global Sustainability-As2016*, Taylor & Francis group, London,418-420. {ISSN: 2154-6568} <https://books.google.co.in/books?isbn=1315629437>

Abhinav, **Navin S**, *et. al.*, (2015) Assessment of groundwater arsenic contamination and associated health risks in village people of Darbhanga district of Bihar, India. Health Care: Current Reviews 3:3 3rd Indo-Global Summit & Expo on Healthcare October 05-07, 2015 (**Abstract**)

Navin S. Abhinav *et. al.*, (2015) Comparative study of metformin and alcoholic extract of *Nigella sativa* in diabetic *Mus musculus* Health Care: Current Reviews 3:3 3rd Indo-Global Summit & Expo on Healthcare October 05-07, 2015 (**Abstract**)

Navin S, Rajesh *et. al.*, (2013) Arsenic in the Environment effectuates Human Health: An Imperative Need to Focus. International Research Journal of Environment Sciences ISSN 2319–1414 Vol. 2(11), 101-105.

Doctoral Research (4 Years) “Study of Hypoglycemic Effect of *Nigella sativa* and *Tinospora cordifolia* in comparison to Metformin in Diabetic Mice”. Work was done in collaboration with Mahavir Cancer Sansthan and Research Centre, Patna-Bihar, under supervision of **Dr. Ranjit Kumar (Scientist-I)** and **Dr. Jaykar Jha Professor & Head**, Dept. of Biotechnology, L N Mithila University, Darbhanga, Bihar.

Post-Graduate dissertation (6 months) “Genetic diversity of Tomato (*Solanum lycopersicum*) as revealed by RAPD marker” under the supervision of Dr. Major Singh, Principal Scientist Division of Biotechnology and Crop Improvement, **Indian Institute of Vegetable Research Varanasi (U.P)** in 2011.

Under-Graduate dissertation (6 months) “Microbiological analysis for the potability of drinking water available in different Hospitals of Allahabad regions” under the supervision of Ms. Jyostana K Peter, Junior Lecturer Department of Microbiology and Microbial Technology from **A.A.I-DU, Allahabad (U.P)** in 2009.

SHORT TRAININGS:

Completed 5-days Training Program on Marine Bacterial Diversity, Organized by Discipline of Marine Biotechnology and Ecology **CSIR- Central Salt and Marine Chemicals Research Institute, Bhavnagar Gujarat** in 2012.

Completed one-month summer training on Waste water treatment at 60 mld treatment plant from **Ganga pollution control unit from U.P JAL NIGAM, Allahabad** in 2008.

Completed one-month summer training on Medical Microbiology & Biochemistry from **Indira Gandhi Institute of Medical Sciences, Patna** in 2007.

SPECILIZATION & RESERCH INTREST:

- Medical Microbiology
- Animal modelling & Toxicological profiling
- Herbal drug trail
- Public health awareness, safety and management related to Diabetes
- Research Paper, Review, Report & Manuscript Writing, Editing & Reviewing.

TECHNICAL SKILLS:

Animal model preparation & processing for drug trail, Histopathology, UV-Spectroscopy, PCR & HPLC. Isolation, Identification and Characterization of different Microorganisms (Specialisation in isolation of faecal micro-organism) Statistical software like STATA, SPSS & PRISMMS Office (Word, Excel, Power Point), & Internet applications.

ORCID ID

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Google Scholar ID

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Vidwan ID

215165

EDUCATIONAL BACKGROUND

Year	Qualifications	University/Institute	Percentage
2013-2017	Ph.D. Biotechnology	L N Mithila University, Darbhanga Bihar.	Awarded (December 2017)
2009-2011	M.Sc. Biotechnology	L N Mithila University, Darbhanga, Bihar.	79.%
2005-2009	B.Sc. (Hons.) Microbiology	A.A.I- D.U Allahabad, U.P.	82.36%
1999-2001	Intermediate Science (I. Sc.)	K.S.College Darbhanga / B.I.E.C. Patna, Bihar.	74.22%
1999	Secondary school examination (10 th)	M.L. Academy High School Darbhanga / B.S.E.B Patna, Bihar.	57%

PERSONAL DETAILS:

Spouse: Dr. Abhinav (Scientist-I)

Mahavir Cancer Sansthan & Research Centre, Patna, Bihar,

Father's name: Shri Navin Chandra Prasad

Mother's name: Smt. Kiran Bala Shrivastav

Contact: **9386726212**

E-Mail: snehanavin9@gmail.com , sneha.navin@shobhituniversity.ac.in

Date of Birth: 9th September 1984

Marital Status: Married

Language known: English & Hindi (Read, Write, Speak)

Passport: Yes

CORRESPONDENCE ADDRESS:

Dr. Sneha Navin (Ph.D.)

Research Assistant (RA)

Co In-Charge Microbiology & Imagine Lab

4th Floor C Block Research Department

Mahavir Cancer Sansthan & Research Centre

Phulwarisharif Patna-801505, Bihar, India.

REFERENCES:

1. **Prof. Ashok Kumar Ghosh**
HoD, Research Department
Mahavir Cancer Sansthan & Research Centre, Patna
Ex-Chairman Bihar State Pollution Control Board, Patna
Contact Number: 9334205809
Mail Id: ghosh51@hotmail.com
2. **Prof. (Dr.) Divya Prakash**
Dean
School of Biological Engineering & Sciences
Shobhit Deemed University, Meerut, U.P.
Contact number: 9411456399
Email Id: divya.praksh@shobhituniversity.ac.in

I hereby declare that all the information's provided here are correct to the best of my knowledge.

Place: Patna

Dr. Sneha Navin