

Name: Prof. Waikhom Somraj Singh
Designation: Assistant Professor
Branch: Faculty of Allied Health Sciences



Educational Qualification(s):

Qualification(s)	University
Bachelor of Pharmacy (B.Pharm)	Punjab Technical University, Jalandhar
Master of Pharmacy (M. Pharm)	Tripura University (A Central University)
Pursuing PhD at Department of Pharmacy	Tripura University (A Central University)

Experience in years:

Academic: 1 year and 9 months

Details:

Sl. No.	Organization	Position Held	Duration	
			From	To
1	Faculty of Allied Health Sciences, ICFAI University, Kamalghat, Tripura	Visiting Faculty	06 Jan, 2020	23 Sept, 2021

Industrial: 1 month

Details:

Sl. No.	Organization	Position Held	Duration	
			From	To
1	Psyco Remedies Limited. No. 227, Civil St, GhumarMandi, Ludhiana, Punjab 141001	Trainee	01-06-2012	30-06-2012

Other Information:

a) Publication details.

Books

Year 2020

1. Manna K, Debnath B, &Singh W S. (2020). Major Metabolites of Certain Marketed Plant Alkaloids. *Frontiers in Natural Product Chemistry: Volume 6*, 6, 124-150. DOI: [10.2174/97898114484611200601](https://doi.org/10.2174/97898114484611200601)

Journals

Year 2021

1. Singh W S, Manna K. (2021). Synthesis and pharmacological evaluation of substituted (1H-tetrazol-1-yl) pyridines. *Journal of Advance Scientific Research*,12 (2), 117-127.
2. Singh W S,Debnath B, Manna K. (2021). Recent Trends in the Development of Benzimidazole Hybrid Derivatives and Their Antimalarial Activities. *Fine Chemical Engineering*, 2, 44-53.
3. B Debnath,Singh W S, S Goswami, K Manna. (2021). Taxonomical, Phytochemical, Traditional Explanation, Nutritional Values, and Biological Activities of Certain Edible Medicinal Plants of Tripura, India. *Journal of Natural Remedies* 1 (1).
4. Debnath B, Singh WS, & Manna K. (2021). A phytopharmacological review on Ananascomosus. *Advances in Traditional Medicine*. 1-8. DOI: <https://doi.org/10.1007/s13596-021-00563-w>
5. Debnath B, Singh WS, & Manna K. (2021). The Outbreak of Coronavirus Disease 2019 (COVID-19) and its Manifestation. *Coronaviruses*, 2, 1-6. DOI: [10.2174/2666796701999201204121813](https://doi.org/10.2174/2666796701999201204121813). (E-pub Ahead of Print)

Year 2020

1. Debnath B, Singh W S, Das M, Goswami S, & Manna K. (2020). Biodynamic activities of ellagic acid: A dietary polyphenol. *Journal of Nature and Science of Medicine*, 3(2), 83.

Year 2019

1. Debnath B, Singh W S, & Manna K. (2019). Sources and toxicological effects of lead on human health. *Indian Journal of Medical Specialities*, 10(2), 66.

Year 2018

1. Chakraborty G, Manna K, Debnath B, Somraj SW, &Goswami S. (2018). Phytochemical analysis, anti-oxidant and cytotoxic activity of seed coat of *Macrotylomauniflorum* in different solvents. *Nat Prod Chem Res*, 6(335), 2.
2. Debnath B, Singh W S, Das M, Goswami S, Singh M K, Maiti D, & Manna K. (2018). Role of plant alkaloids on human health: A review of biological activities. *Materials today chemistry*, 9, 56-72. <https://doi.org/10.1016/j.mtchem.2018.05.001>

Year 2015

1. Manna K, Somraj Singh W, Das L, Reang M, Das M, &Maiti D. (2015). Microwave Assisted Biogenic Synthesis of Metal Nanoparticles Using Plant Extract: Characterization and Antimicrobial Activity. Current Bionanotechnology, 1(2), 87-94.

(b) Details of Seminar/Workshop/Conference.

- 1) Participated in the 2nd live webinar on “**Mental Health and COVID-19**”organized by **Tripura University Alumni Association (TUAA)** held on 8th Oct., 2020.Time: 11.00 AM to 12.25 PM
- 2) Attended ECR Webinar **2: Navigating Ethical Issues in Large Community - Based Vaccine Field Trials**, held on **8th Oct, 2020 4:00 PM - 6:00 PM IST**, organized by **National Biopharma Mission**.
- 3) Participated & Presented a paper entitled as “**Medicational error: A Case study of a Super Specialty Hospital- Kolkata**”, in the “**International Conference on Business, IT and Enterprise Architecture (ICBIT) (Resurgence of Business and Economy Post Covid-19)**”**25-26 September, 2020** organized by **Management Development Institute Murshidabad, West Bengal, India**.
- 4) Participated in the live webinar on “**A cursory Glance on Colloid and Interface Science with Special Reference to Nanoparticles**”organized by **Tripura University Alumni Association (TUAA)** held on 9th Sept., 2020.
- 5) Attended Two days International Webinar on “**Drug Discovery & Drug Development**” held on **27 -28th August2020** by Department of Pharmacy, Tripura University (A Central University), Suryamaninagar, Tripura.
- 6) Participated in the live webinar on “**Digitization of the Evolving Agri-Sector: A new road map and new opportunities**” held on **4th July 2020** organized by **KIIT-Technology Business Incubator**.
- 7) Participated in the live webinar on “**Cultivation of Medicinal Plants**” under the BRTC Agri& Livestock Webinar Series held on **2nd July 2020** by **BIRAC Regional Techno-Entrepreneurship Promotion Centre (BRTC)** at **KIIT-TBI, Bhubaneswar**.
- 8) Participated in the live webinar on “**Affordable Technology Solutions for Efficient Farming**” under the BRTC Agri& Livestock Webinar Series held on **30th June 2020** by **BIRAC Regional Techno-Entrepreneurship Promotion Centre (BRTC)** at **KIIT-TBI, Bhubaneswar**.
- 9) Participated in a live webinar on “**Advancements in Liquid Chromatography and QbD**” jointly organized by **KIIT-Technology Business Incubator** and **Agilent Technologies** on **29th June2020**.
- 10) Participated in the live webinar on “**Technological & Entrepreneurial Innovations in Post- Harvest Fisheries with focus on Drying, Dehydration and Chilling Technologies**” under the BRTC Agri& Livestock Webinar Series held on **29th June 2020** by **BIRAC Regional Techno- Entrepreneurship Promotion Centre**

(BRTC) at KIIT-TBI,Bhubaneswar.

- 11) Participated in the live webinar on **“The Promising Spices of Northeast India”** under the BRTC Agri& Livestock Webinar Series held on **27th June 2020** by BIRAC Regional Techno- Entrepreneurship Promotion Centre (BRTC) at KIIT-TBI,Bhubaneswar.
- 12) Participated in the live webinar on **“Strengthening of Seed System in North East”** under the BRTC Agri& Livestock Webinar Series held on **26th June 2020** by BIRAC Regional Techno- Entrepreneurship Promotion Centre (BRTC) at KIIT-TBI,Bhubaneswar.
- 13) Participated in the live webinar on **“IoT Devices for Remote Monitoring and Tracking”** under the BRTC Agri& Livestock Webinar Series held on **25th June 2020** by BIRAC Regional Techno- Entrepreneurship Promotion Centre (BRTC) at KIIT-TBI,Bhubaneswar.
- 14) Participated in the live webinar on **“Nutraceuticals and Probiotics using Indigenous Resources of North East”** under the BRTC Agri& Livestock Webinar Series held on **24th June 2020** by BIRAC Regional Techno-Entrepreneurship Promotion Centre (BRTC) at KIIT-TBI,Bhubaneswar.
- 15) Participated in the live webinar on **“Pest and Disease Management”** under the BRTC Agri& Livestock Webinar Series held on **23rd June 2020** by BIRAC Regional Techno-Entrepreneurship Promotion Centre (BRTC) at KIIT-TBI,Bhubaneswar.
- 16) Participated in the live webinar on **“Scope of Funding Opportunities and Institutional Ecosystem for Agri-startups”** under the BRTC Agri& Livestock Webinar Series held on **22nd June 2020** by BIRAC Regional Techno-Entrepreneurship Promotion Centre (BRTC) at KIIT-TBI, Bhubaneswar.
- 17) Participated in the live webinar **“Exit Strategies for Startups”** held on **22nd June 2020** by BIRAC Regional Techno-Entrepreneurship Promotion Centre (BRTC) at KIIT-TBI,Bhubaneswar.
- 18) Participated in the Leadership Talk with **Mr. ShridharVenkat, CEO (AkshayPatra Foundation)** held on **20th Jun** by MHRD's InnovationCell
- 19) Attended Leadership Talk with **Shri R Subrahmanyam, IAS (Secretary Ministry of Social Justice & Empowerment)** held on **13th Jun 2020** by MHRD's InnovationCell
- 20) Participated in the live webinar on **“R&D Recognition: Benefits and Opportunities for TBIs and Universities”** held on **10th June 2020** organized by KIIT-Technology Enabling Centre at KIIT-DU Bhubaneswar.
- 21) Participated in the webinar on **“Regulatory Issues in Clinical Studies of Drugs, Pharmaceuticals and Devices”** held on **8th June 2020** by BIRAC Regional Techno-Entrepreneurship Promotion Centre (BRTC).
- 22) Attended Leadership talk with Ms. Ashwini Deshpande (Co-Founder & Director Elephant Design) held on **6th Jun 2020**, by MHRD's InnovationCell.

- 23) Attended Leadership Talk With **Dr.Nilesh N Oak, Expert (Indian Civilization & History)** held on **30th May 2020**, Dr.AbhayJere (Chief Innovation Officer-MHRD Innovation Cell, Govt. of India) Hosting Live session of Leadership Talk With Dr.Nilesh N Oak, Expert (Indian Civilization & History) by MHRD's InnovationCell.
- 24) Participated in the webinar on **"Reimagining Business Models"** held on **30th May 2020** by **BIRAC Regional Techno-Entrepreneurship Promotion Centre (BRTC)**.
- 25) Participated in the National Webinar on **"Practical Rheology for the Food Technologists"** organized by the **Department of Food Technology, School of Chemical Technology, Harcourt Butler Technical University Kanpur** in association with **Anton Paar, India** on **May 29,2020**.
- 26) Attended in the Leadership talk With **MrMahesh Babu CEO Mahindra Electric Mobility Ltd.** India's First Leadership Talk Series Session by MHRD's Innovation Cell.
- 27) Participated in the Five Days Online Training Programme on **"E-Learning Ecologies: Tools & Techniques for Enhancing Teaching and Training Competencies"** during **26-30 May, 2020**. Organized by Department of Extension and Social Sciences, College of Fisheries, CAU (Imphal), Lembucherra, Tripura, India.
- 28) Participated in the Panel discussion on **"Research, Innovation & Entrepreneurship opportunities in COVID-19 scenario"** organized by **Pandit Deendayal Petroleum University** in association with **PDPU Innovation & Incubation Centre** on **15 May 2020**.
- 29) Participated in the **IIC Online Sessions** conducted by **Institution's Innovation Council (IIC)** of **MHRD's Innovation Cell, New Delhi** to promote **Innovation, IPR, Entrepreneurship, and Start-ups among HEIs** from **28th April to 22nd May 2020** during COVID-19 nationwide lockdown.
- 30) Attended the online seminar on **"Basics of Gas Adsorption: Physisorption"** Date: **April 20, 2020**, organized by Anton Paar India Pvt.Ltd.
- 31) Attended in the one day seminar on **"Cutting edge technologies in chromatography and mass spectrometry"** Organized by Department of Pharmacy, Tripura University in association with Spinco Biotech Pvt Ltd., held at Department of Pharmacy, Tripura University, Suryamaninagar, Tripura 799 022, held on **12th March, 2020**.
- 32) Participated in the **"Third International Conference on Material Science (ICMS2020)"** Organized by Department of Physics, Tripura University (A Central University), Suryamaninagar, Tripura 799 022, held on **04-06 March, 2020**
- 33) Participated in the Workshop on **"Intellectual Property Rights (IPR)"** sponsored by Department of Science & Technology, Govt. of India. Organized by Tripura University, Suryamaninagar, Tripura 799 022, held at Tripura University, held on **17th January, 2020**.
- 34) Participated and attended in the **"World Pharmacist Day-2019"** Organized by Department of Pharmacy, Tripura University (A Central University),

Suryamaninagar, Tripura 799 022, held on **25th September,2019**.

- 35) Participated in the Orientation Programme on “**National Intellectual Property Rights Policy**” Three days workshop for PIC Officials & Faculties of State S&T Councils of India, Catalyzed& Supported by: Department of Science & Technology Government of India Organized by **Gujarat Council on Science & Technology, Department of Science & Technology, Govt. of Gujarat held at Gujarat Council on Science & Technology & Technology (GUJCOST) during 29th to 31st July,2019**.
- 36) Participated in the Workshop on “**Microbiology & Microbial Genomics**” sponsored by Department of Biotechnology, Govt. of India. Organized by State Biotech Hub; Tripura University. Suryamaninagar. Tripura 799 022, held at State Biotech Hub; Tripura University, from 25th March - 29th March,**2019**.
- 37) Participated in the “**International Conference on Chemical Research Materials and Biological Science (CRMBS,2019)**” Organized by The Department of Chemistry, Assam University, Silchar, held on 15-16, **March,2019**
- 38) Participated in the ‘**105th Indian Science Congress**’ held at Manipur University, Canchipur, Imphal, Manipur, held on 16th-20th March, **2018**, organized by Manipur University, Canchipur, Imphal, Manipur, India.
- 39) Participated in the “**Workshop on Chromatographic Techniques**”, Sponsored by Department of Biotechnology, Government of India, organized by State Biotech Hub, held at Tripura University (A Central University), Agartala, India, from 7-9th, **March2018**.
- 40) Participated in the “**North-east Winter School on Genetic Analysis of Complex Traits**”,held at Tripura University (A Central Central) from **27-28th February, 2018** organized by Indian Statistical Institute, Kolkata & Tripura University,Agartala.
- 41) Participated in the “**Analytical Solution for Today’s Science seminar**” Organized by Agilent Technologies, at Agartala, Tripura 799 001, held on **15th September,2017**
- 42) Participated as a “**Student Volunteer in the State Level Exhibition on GRASSROOTS INNOVATIONS and IDEAS**” held at Tripura University (A Central University), Suryamaninagar, Tripura 799 022, on **19-20 April,2017**.
- 43) Participated workshop on “**Cellular Techniques in Biological Research**”, Sponsored by Department of Biotechnology, Government of India, organized by State Biotech Hub, held at Tripura University, from **20-22nd March-2017**.
- 44) Participated workshop on “**Capacity building in grant writing skills and effective management of Intellectual Property Rights (IPR) in Biotechnology by universities and research institutions in the North East Region**”, Sponsored by Department of Biotechnology, Government of India, organized by Biotech Consortium India Limited (BCIL), New Delhi, held at Tripura University, Suryamaninagar, Tripura from **23-25th February2017**.
- 45) Participated in the seminar cum Workshop on “**Recent Trends in Biotechnological Research**”, at Tripura University held on **20th to 22nd**

January 2016.

- 46)** Participated in the 1st Student Project Programme, "**An Initiative of Tripura State Council for Science & Technology**", organized by Maharaja Bir-Bikram College, Agartala, Tripura held on **2nd -3rd March, 2016.**
- 47)** Participated as a "**Student Volunteer in the State Level Exhibition on GRASSROOTS INNOVATIONS and IDEAS**" held at Tripura University (A Central University), Suryamaninagar, Tripura 799 022, on **25th March, 2015.**
- 48)** Attended AICTE Sponsored National Seminar on Pharma Vision 2020: "**Advances and Emerging Trends in Pharmaceutical Sciences and Research**", held on **3rd March, 2012**, at Swift School of Pharmacy, Rajpura, Punjab.
- 49)** Participated on "**Entrepreneurship Awareness Camp**" held on **18th -20th Jan 2007** organized by **Indian Institute of Entrepreneurship** (An Organization of the Ministry of Small Scale Industries, Government of India) Guwahati, Assam India.

(c). Professional membership of reputed bodies if any.

- 1) Indian Science Congress: Membership no. SLM5665.
- 2) Manipur State Pharmacy Council: Registration no.0163.