

## Curriculum Vitae

**NAME:** Dr. Bapi Ray Sarkar, *M.Pharm, PhD.*  
**Designation:** Associate Professor & HoD  
**Mailing Address:** Department of Pharmaceutical Technology,  
University of North Bengal, P.O.- NBU, Darjeeling,  
West Bengal, Pin -734013, India.  
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**Subject Specialization:** M.Pharm in Pharmacognosy & PhD in Pharmaceutical Sciences

### Academic qualification:

2008: B.Pharm, Institute of Pharmacy, Jalpaiguri, W.B. India  
2010: M.Pharm, Himalayan Pharmacy Institute, East Sikkim, India  
2018: Ph.D, Assam down town University, India

**Teaching & Research Experience:** 14 years (Continuing)

### Administrative Experience:

- Working as a **Head**, Department of Pharmaceutical Technology, NBU w.e.f. 25.02.2022.
- Working as a **Convener & Chairman**, the DRC, Department of Pharmaceutical Technology, NBU w.e.f. 25.02.2022.
- Working as a **Member**, the Board of Research Studies (BRS), NBU w.e.f. 25.02.2022.
- Working as a **Member**, the AICTE approval course, NBU w.e.f. 17.03.2022.
- Working as a **Member**, the AICTE approval course, NBU w.e.f. 17.03.2022.
- Working as a **Member**, the Training & Placement cell, NBU w.e.f. 01.06.2023.
- Working as a **Member**, the Institution-Industry Cell, NBU w.e.f. 11.08.2023.
- **External Expert** for Examination Committee and Board of Studies, Mata Gujri University, Kisanganj, Bihar w.e.f. 24.08.2023.
- Working as a **Member**, the Start-up- Incubation Centre committee, NBU w.e.f. 12.09.2023.

**Areas of Research Interest:** Pharmacognosy, Natural product, Standardization, Quality Control, Formulation and development, Novel drug delivery system, Pharmacology etc.

**No. of Ph.D. students:** (a) **Supervised:** 00 (b) **Ongoing:** 06 (Registered)

**No. of M. Pharm. students:** (a) **Supervised:** 07 (b) **Ongoing:** 06

**No. of Publications:** (a) **Journal(s):** 26 (b) **Book(s):** 02 (c) **Book chapter(s):** 04

**No. of Seminar/Workshop/Conference/webinar attended/participated:** 60

**Patent:** 03

## List of Publications:

### Research & Review papers:

1. **B. R. Sarkar**, V. K. Rai, B. Kapoor, S. Sarma, J.P. Mohanty, D. Sarkar, M.K. Sharma, A. Kar, Preliminary Phytochemical Screening and Evaluation of Anti-inflammatory activity of Ethanolic Extract of leaves of *Indigofera tinctoria* Linn., *International Journal of Research in Phytochemistry and Pharmacology (IJRPP)*, 1(2),2011, 55-58.(ISSN:2231-010X).
2. Sharma Sonu, Rai Vishnukant, Kapoor Bhawana, **Sarkar Bapi R.**, Phytochemical Screening and Evaluation of Anti-inflammatory activity of leaves Extract of *Holoptelea integrifolia* Roxb., *International Journal of Research in Pharmacy and Science (IJRPS)*, 2011,1(1), April-June,76-87. (ISSN:2249-3522).
3. M. Basak, **B. R Sarkar**, B. K. Dey, J.P. Mohanty, T. Das, T. Uriah, D. Shil, B. J. Sahariah, Ethanolic extract of the leaves of *Houttuynia cordata* Thunb. Produces antidiarrhoeal & gastrointestinal motility slowing effects on albino rats, *International Journal of Research in Phytochemistry and Pharmacology (IJRPP)*,1(4),2011,235-238. (ISSN:2231-010X).
4. Dhruvajyoti Sarkar, **Bapi R. Sarkar**, Jyochhna P. Mohanty, Nihar R Bhyan, Rumpa Halder, Study The Biochemical Parameters and Histopathological Changes in Liver of Albino Rats to Find Out the Effect of Methanolic Extract of Mimosa Pudica Leaves Against Paracetamol Induced Hepatic Damages, *The Pharma Research Journal*, 2011(01), Volume 06, 50-57. (ISSN:0975-8216).
5. Meghna P Patel, Manoj Kakati, Janardhan Saravanan, Shamanna Mohan, Satyendra Deka, Apurba Talukdar, **Bapi Ray Sarkar**, Kamal Sharma, Syntheses of Some Novel Esters of NSAIDs as Prodrugs for Log P and *In-Vitro* Anti-Inflammatory Study, *International Journal of Chemical and Analytical Science*, May (2012), 3(5), 1387-1390. (ISSN:0976-1206).
6. Saikat Sen, Raja Chakraborty, B Borah, BK Dey, **Bapi Ray Sarkar**, BJ Sahariah. *In vitro* anthelmintic and antioxidant potential of fruits of *Momordica charantia*: A comparative study, *Indian Journal of Health Sciences*, December 2014, 7(2), 113-117 ( Print ISSN - 2542-6214, E-ISSN - 2542-6222).
7. Ansari Sajidul Hoque\*, Gogoi Bithika, Nath Rimlee, **Sarkar Bapi Ray**, Kalita Pallab, Dey Biplab Kumar, Pharmacognostical evaluation and phytochemical Screening of the plant *equisetum arvense*, *World Journal Of Pharmacy And Pharmaceutical Sciences*, April, 2016, Volume 5, Issue 5, 1537-1543. (ISSN: 2278 – 4357).
8. **Bapi Ray Sarkar**, Biplab Kumar Dey, Kamal Sharma, The Study of Biochemical Parameters And Histopathological Changes In Liver of Albino Rats To Find out The Effect of Extract of *Sechium edule* roots Against Paracetamol Induced Hepatic Damages, *American Journal of Pharmacy and Health Research*, March, 2016, Vol-4, Issue-4, 27-39, (ISSN NO. : 2321–3647).
9. **Bapi Ray Sarkar**, Biplab Kumar Dey, Standardization and Preliminary Phytochemical Screening of Roots of *Sechium edule* (Jacq.) Sw., *World Journal Of Pharmacy And Pharmaceutical Sciences*, Sept., 2016, Vol.-5, Issue-10, 553-561. (ISSN NO.: 2278 – 4357).
10. Priyanka Goswami\*, Rajibul Islam, Everlasting Khongmalai, **Bapi Ray Sarkar**, Dr. Saikat Sen, Dr. Biplab Kumar Dey, Pharmacognostical and preliminary phytochemical screening of leave of *Polygonum muricatum*, *International Journal of Research in Pharmacy and Pharmaceutical Sciences*, May, 2017, Volume 2, Issue 3, 06-10 (ISSN: 2455-698X).
11. Nisha Sonowal\*, Audrey Syndor, Phaibiang Lapasam, Arunav Boruah, **Dr. Bapi Ray Sarkar**, Dr. Atanu Bhattacharjee, Evaluation of Pharmacognostical parameters and Preliminary Phytochemical Screening of leave of the plant *Myrica esculenta*, *International*

- Journal of Research in Pharmacy and Pharmaceutical Sciences*, July, 2018, Vol-3, Issue-4,01-08. (ISSN NO. : 2455-698X).
12. Melakyrkhu Niangmih, Samiran Chutia, Banyashree Das, **Bapi Roy Sarkar**, Biplab Kumar Dey, Atanu Bhattacharjee, Preliminary Phytochemical Analysis Of Selected Medicinal Plants Of North Eastern Region Of India, *International Journal Of Pharmaceutical Research And Bio-Science*, Aug, 2018; Volume (4), 88-97, (ISSN NO.: 2277-8713)
  13. Atanu Bhattacharjee, **Bapi Ray Sarkar**, Biplab Kumar Dey, Evaluation of *in-vivo* histamine release inhibitory potential of *Piper nigrum* seed extract, *MOJ Tumor Research*, 2018;1(6):180–185, (eISSN: 2641-9300).
  14. Priyanka Goswami\*, Rajibul Islam, Everlasting Khongmalai, **Bapi Ray Sarkar**, Saikat Sen, Ananta Choudhury, Biplab Kumar Dey, Pharmacognostical, Phytochemical and Anthelmintic activity of *Polygonum muricatum*, *Journal of Applied Pharmaceutical Research*, Sept., 2018, Volume 6, Issue 3, 07-12 (ISSN: 2348-0335).
  15. Archana Sharma, Prosanta Pal, **Bapi Ray Sarkar**, J. P Mohanty, Sonam Bhutia. Preparation, Standardisation and Evaluation of Hypoglycaemic effect of Herbal Formulation containing five Ethnomedicinal plants in Alloxan-Induced Hyperglycemic Wistar Rats. *Research J. Pharm. and Tech.* 2020; 13(12):5987-5992.
  16. Chandrika sharma and **Dr. Bapi Ray Sarkar**, Phyto-Pharmacological Aspects of Ethnomedicinal Plants Found in Himalayan Region: A Systematic Approach Towards Drug Natural Resources, *Der Pharma Chemica*, 2021, 13(7): 27-35.
  17. Sutradhar J, **Sarkar BR**. Manifestations and risk factors of COVID-19 and mucormycosis: A mini-review. *J Acute Dis*, 2021, 10:221-6.
  18. Jugal Sutradhar1, **Bapi Ray Sarkar**, The Effect on the Immune System in the Human Body Due to COVID-19: An Insight on Traditional to Modern Approach as a Preventive Measure, *J Pharmacopuncture* 2021, 24(4): 165-172.
  19. Bijay Sharma, Arnab Bagchi, Sonam Bhutia, **Bapi Ray Sarkar**, Prosanta Pal, Formulation and Evaluation of Expectorant activity of Poly Herbal Cough Syrup from Traditional Medicinal Plant extracts of North East India, *Research J. Pharm. and Tech.*, 2022, 15(3):949-953.
  20. Prabal Sharma\*, Prosanta Pal, Amitava Roy, Koushik Sen Gupta, **Bapi Ray Sarkar**, Pradeep Saha, and Sonam Bhutia, Evaluation Of Pharmacognostical Characters, Phytochemical Screening, And In-Vitro Antibacterial Activity Of *Clematis Buchanani* de Candolle (Ranunculaceae), *RASĀYAN journal of Chemistry.*, 2022 15(4), 2502-2511.
  21. Ruhul Amin, **Bapi R. Sarkar**, Prosanta Pal,, Amitava Roy, Talha B. Emran, Oncolytic viruses are a recent breakthrough in oncoimmune treatment: recent insights – correspondence, *Annals of Medicine & Surgery*, 2023, 85:1300–1301.
  22. Ruhul Amin, **Bapi R. Sarkar**, Prosanta Pal,, Amitava Roy, Artificial tissue: a future surgical approach for reversing erectile dysfunction – correspondence, *Annals of Medicine & Surgery*, 2023, 85:1298–1299.
  23. Jyotirmoy Das \* and **Bapi Ray Sarkar**, A Review Of Ethnomedicinal Plants And Their Traditional Uses For The Treatment Of Hepatobiliary Disease By Different Tribes Of North-East India , *International Journal of Pharmacognosy* , 2023; Vol. 10(6): 284-298.
  24. Sushilta Pradhan \* and **Bapi Ray Sarkar**, Zingiber Zerumbet: a Review On Pharmacological Activity, *International Journal of Pharmacognosy* , 2023; Vol. 10(6): 299-314.
  25. Arnab Bagchi, **Bapi Ray Sarkar\***, Prosanta Pal, Phytochemical Screening and Proximate exploration of *Diapensia himalacia* leaf extract, *Eur. Chem. Bull.* 2023,12(10), 4868-4878.

26. Jyotirmoy Das \* and **Bapi Ray Sarkar**, Evaluation of in vitro anti-inflammatory activity of methanolic extract of *Impatiens bracteata* Colebr. ex wall., Eur. Chem. Bull. 2023,12(Special issue 8),8479-8484.

### Books-

1. **Bapi Ray Sarkar**, *Squash- The Liver healing plant of North-East India*, Scholars' Press, Brivibas gatve 197, LV-1039, Riga, Latvia, European Union, 2019, [ISBN No.-978-613-8-91480-8.]
2. **Dr. Bapi Ray Sarkar**, Dr. Prosanta Pal, *Ethnomedicinal plants of North East Himalayan Region: In search of anticancer potential*, LAP LAMBERT Academic Publishing, Republic of Moldova, 2021, [ISBN-10: 6203870188, ISBN-13: 978-6203870183].

### Book Chapters

1. **Bapi Ray Sarkar**, (Chapter No.-8. *Bioremediation: A Green Approach to Prevent the Plastic Hazards Microbes*), book title- *Environment and Human Welfare*, **Nova Science Publishers**, Inc415 Oser Avenue, Suite N, Hauppauge, NY 11788, USA, July, 2020, Page No- 185-213. [ISBN number: 978-1-53617-945-3].
2. **Bapi Ray Sarkar**, (Chapter No.-7. *Ethnomedicinal Plants Used By The Tribes Of Northeast India To Treat Alzheimer's Disease*), book title- *Phytomedicine and Alzheimer's Disease*, **CRC Press (Taylor & Francis Groups)**, 1st Edition, 2020, Page No-115-148. [ISBN No.-9780429318429].
3. **Bapi Ray Sarkar\***, Atanu Bhattacharjee, Ananta Choudhury, (Chapter No.-08. *An Insight on Recent Trends and Advancement of Phytopharmaceuticals as Antifungal Therapeutics*), Book title- *Recent Trends and The Future of Antimicrobial Agents*, **Bentham Science**, 2023, 222-242.
4. **Bapi Ray Sarkar\*** and Jugal Sutradhar, Novel Herbal Drug Delivery with Special Emphasis on Phytosome, C. Baskar et al. (eds.), *Encyclopedia of Green Materials*, **Springer Nature** Singapore Pte Ltd., 2022, N. [ISBN No.- 978-981-16-4921-9\_154-1].([https://doi.org/10.1007/978-981-16-4921-9\\_154-1](https://doi.org/10.1007/978-981-16-4921-9_154-1))

### Patents:

Sl. No.	Title of the Patent	Patented by	Patent details
1	<b>POLY HERBAL FORMULATION AS A SWEETENING AGENT FOR DIABETES PATIENTS</b>	Dr. Amitava Roy, <b>Dr. Bapi R. Sarkar</b> , Mr. Prashant n. Jorapur, Dr. Vinod, Mr. Prabhu k Halakatti, Dr. Sachin Taygi	Application No.202211029387 A, Date of filing of Application :23/05/2022 (43) Publication Date : 03/06/2022, ( <b>Indian Patent</b> )
2	<b>POLYHERBAL FORMATION WITH A LAXATIVE EFFECT</b>	Chakraborty, Jashabir, Chakraborty, Prithviraj, Deb, Soumya, Deka, Mrinmoy, Pal, Prosanta, <b>Sarkar, Bapi Ray</b> , Sharma, Uttam.	Date of registration: 09/20/2022, Utility Model No. 20 2022 104 650, Federal <b>Republic of Germany</b>

3	<b>MEDICINAL PILL 3-D PRINTING DEVICE</b>	Dr. Mohibul Hoque, Ansari Tasmi Nasim, Shaikh Nusrat Jahan, <b>Dr. Bapi Ray Sarkar</b>	Design No. : 364595-001, Date : 23/05/2022  <b>(Design Patent, Govt. of India)</b>
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### Achievement & Awards:

- Certificate of Merit on “**National Science Talent Search Test 1995**”.
- Certificate of Merit on “**National Science Talent Search Test 1997**”.
- Certificate of Merit on “**Achievement Cum Diagnostic Test in Mathematics-1999**”.
- Certificate of Merit on “**Science Talent Search Test 1999-2000**”.
- Certificate of Merit on “**Achievement Cum Diagnostic Test in Mathematics-2000**”.
- Certificate of Merit on “**Science Talent Search Test 2001**”.
- Appointed as a **Reviewer** (Manuscript id- IJPPS6198) in the International Journal of Pharmacy and Pharmaceutical Sciences (**IJPPS**), [ISSN No- 0975-1491].
- Got the **First place** in one-day comprehensive programmed on “**Scope After Pharmacy**” conducted by Institute of Pharmaceutical Education and Research (**IPER**) in the year 2008.
- Invited as a **Judge** of Oral Presentation in **58<sup>th</sup> National Pharmacy Week, 2019** organized by Progressive Pharmacists’ Association in association with Institute of Pharmacy, Jalpaiguri, held on 17<sup>th</sup>-23<sup>rd</sup> November,2019.
- Delivered a talk as a **Guest Lecture** in the International virtual webinar on “**Emerging Materials for Diagnostic and Therapeutics**” (**EMDT-2022**), Organized by Center for Nanoscience and Nanotechnology, Sathyabama Institute of Science and Technology, Chennai during 27th and 28th January,2022.
- Delivered a talk as a **Guest Speaker** in the national webinar on “**Advanced Research on Phytochemistry and its impact**”, Organized by Gitanjali College of Pharmacy,Nalhati, Birbhum, W.B. on 19<sup>th</sup> June, 2022.
- Delivered a lecture as a **Resource person** in an online **Refresher Course on Emerging Trends in Natural and Biological Sciences conducted by UGC Human Resource Development Centre**, in association with the Department of Biotechnology, The University of North Bengal during 09.09.2022 to 22.09.2022.

### Membership of Learned Societies & others:

- **LIFE MEMBER** of the **Association of Pharmaceutical Teachers of India (APTI)**. [Life Member No- **WB/LM-211**]
- **Advisory Board Member** of the journal ‘Journal of Harmonized Research in Pharmacy’ (ISSN:2321-0958).
- The **Editorial Board Member (Editor)** of the journal ‘Recent Trends in Pharmaceutical Technology & Industries’.
- The **Editorial Board Member** of the journal ‘Journal of Applied Pharmacognosy and Phytochemistry (JOAPP)’.