

CV of NIKHIL BISWAS

Name: NIKHIL BISWAS

Designation: Assistant Professor

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Sex: Male

Date of Birth: 3rd January, 1980

Educational Qualifications:

Sl. No.	Examination Passed	Year of passing	Board / Council / University	Specialization
1	HSLC/10 th Std.	1996	WBBSE	Math, Physical Science, Life Science, History, Geography, English, Bengali
2	HSSLC/10+2 Std.	1998	WBCHSE	Science (Math, Physics, Chemistry, English, Bengali, Biology)
3	Degree (B. Pharm)	2004	Jadavpur University	Pharmaceutics, Pharmacology, Medicinal chemistry, Instrumental Analysis
4	Master's Degree (M. Pharm)	2007	Dibrugarh University	Pharmaceutics

5	M. Phil.(Please Specify)			
6	Ph. D. (Pharmacy)	2016	Jadavpur University	Nano drug delivery for the treatment of hypertension
7	Post-Doctoral (Nano Drug Delivery)	2022	The Hebrew University of Jerusalem, Israel	Nano drug delivery for cancer chemotherapy
8	Others(CSIR-SRF (Research Associate))	2015	Jadavpur University	Programmed polymeric device for pulsed delivery of antihypertensives

Languages known: English, Hindi, Bengali

Academic/ Administrative Experience: 3 Years

List of Publications:

(SCI indexed Journals)

1. **Biswas N**, Abu Ammar A, Frušić-Zlotkin M, Adi-Hen N, Lehman-Katabi Y, Levi-Kalishman Y, Nassar T, Benita S. Biodistribution and efficacy of the anticancer drug, oxaliplatin palmitate acetate, in mice. Int J Pharm. 2021, 604:120740. **[IF: 6.51]**.
2. **Biswas N**. Modified mesoporous silica nanoparticles for enhancing oral bioavailability and antihypertensive activity of poorly water soluble valsartan. Eur J Pharm Sci. 2017, 99:152- 160. **[IF: 5.11]**.
3. **Biswas N**, Kuotsu K. Chronotherapeutically Modulated Pulsatile System of Valsartan Nanocrystals-an In Vitro and In Vivo Evaluation. AAPS PharmSciTech. 2017, 18(2):349- 357. **[IF: 4.02]**.
4. **Biswas N**, Sahoo RK. Tapioca starch blended alginate mucoadhesive-floating beads for intragastric delivery of Metoprolol Tartrate. Int J Biol Macromol. 2016, 83:61-70 **[IF: 8.02]**.
5. **Biswas N**, Guha A, Sahoo RK, Kuotsu K. Pulse release of doxazosin from hydroxyethylcellulose compression coated tablet: mechanistic and in vivo study. Int J Biol Macromol. 2015, 72:537-43. **[IF: 8.02]**.
6. **Biswas N**, Sahoo RK, Guha A, Kuotsu K. Chronotherapeutic delivery of hydroxypropylmethylcellulose based mini-tablets: An in vitro–in vivo correlation. Int J Biol Macromol. 2014, 66: 179–185. **[IF: 8.02]**.
7. Guha A, **Biswas N**, Bhattacharjee K, Sahoo N and Kuotsu K. pH responsive cylindrical MSN for oral delivery of insulin – Design, Fabrication and Evaluation. Drug Deliv. 2016, 23(9): 3552–3561. **[IF: 6.41]**.
8. Guha A, **Biswas N**, Bhattacharjee K, Das P, Kuotsu K. In Vitro Evaluation of pH Responsive Doxazosin Loaded Mesoporous Silica Nanoparticles: A Smart Approach in Drug Delivery. Curr Drug Deliv. 2016, 13(4):574-81. **[IF: 3.75]**.

9. Sahoo RK, **Biswas N**, Guha A, Kuotsu K. Maltodextrin based proniosomes of nateglinide: bioavailability assessment. *Int J Biol Macromol*. 2014, 69:430-4. **[IF: 8.02]**.
10. Sahoo RK, **Biswas N**, Guha A, Sahoo N, Kuotsu K. Development and in vitro/in vivo evaluation of controlled release provesicles of a nateglinide-maltodextrin complex. *Acta Pharm Sin B*. 2014, 4(5):408-16. **[IF: 14.90]**.
11. Mandal AS, Chatterjee S, Karim KM, **Biswas N**, Guha A, Behera M, Kuotsu K. Fabrication and in vitro evaluation of bidirectional release and stability studies of mucoadhesive donut-shaped captopril tablets. *Drug Dev Ind Pharm*. 2012, 38(6):706-17. **[IF: 3.04]**.
12. Mandal AS, Chatterjee S, Kundu S, **Biswas N**, Guha A, Paul S, Kuotsu K. In vitro-in vivo correlation and bioavailability studies of captopril from novel controlled release donut shaped tablet. *Int J Pharm*. 2011, 421(1):145-50. **[IF: 6.41]**.
13. Sarkar MK, Ghosh TK, Goswami N, **Biswas N**, Roy N. In Vitro and In Vivo Evaluation of Hydroxypropylmethylcellulose Based Matrix Tablets of Prazosin HCl. *LAT AM J PHARM*. 2016, 35 (3): 519-28. **[IF: 0.25]**.
14. Sahu BP, Baishya R, Hatiboruah JL, Laloo D, **Biswas N**. A comprehensive review on different approaches for tumor targeting using nanocarriers and recent developments with special focus on multifunctional approaches. *J. Pharm. Investig.* (2022). **[IF: 5.23]**
15. Sahoo N, Sahoo RK, **Biswas N**, Guha A, Kuotsu K. Recent advancement of gelatin nanoparticles in drug and vaccine delivery. *Int J Biol Macromol*. 2015, 81:317-31 **[IF: 8.02]**.
16. Sahoo RK, **Biswas N**, Guha A, Sahoo N, Kuotsu K. Nonionic surfactant vesicles in ocular delivery: innovative approaches and perspectives. *Biomed Res Int*. 2014, 2014:263604. **[IF:3.41]**.
17. Mandal AS, **Biswas N**, Karim KM, Guha A, Chatterjee S, Behera M, Kuotsu K. Drug delivery system based on chronobiology--A review. *J Control Release*. 2010, 147(3):314- 25. **[IF: 11.47]**.
18. Kazi KM, Mandal AS, **Biswas N**, Guha A, Chatterjee S, Behera M, Kuotsu K. Niosome: A future of targeted drug delivery systems. *J Adv Pharm Technol Res*. 2010, 1(4):374-80.

Book Chapter

1. **Biswas N**, Sahu BP and Das MK. Nanobiotechnology for Therapeutic Targeting of Circulating Tumor Cells in the Blood, in Das MK and Pathak YV (Eds.), *Nano Medicine and Nano Safety Recent Trends and Clinical Evidences*. Springer Nature, Singapore, pp. 27-48.
2. Sahu BP, **Biswas N** and Das MK. Multifunctional Nanoscale Particles for Theranostic Application in Healthcare, in Das MK and Pathak YV (Eds.), *Nano Medicine and Nano Safety Recent Trends and Clinical Evidences*. Springer Nature, Singapore, pp. 357-376.
3. Sahu BP, **Biswas N** and Das MK. Multifunctional nanotheranostics for cancer diagnosis and treatments, in Das MK (Eds.), *Multifunctional Theranostic Nanomedicines in Cancer*. Elsevier, pp. 25-55.
4. Kuotsu K, Guha A, **Biswas N**, Mandal AS, Chatterjee S, Behera M, Kundu S, and Paul S, 2012. Circadian Variations: an overview, in: Golovkin L and Maliszewicz A (Eds.), *Circadian Rhythms: Biology, Cognition and Disorders*. Nova Science Publishers, New York, pp. 327-346.

Research Experience: 12 years

- **Doctoral thesis guided :** NIL
- **Research & Consultancy Projects:** NIL

Membership of Professional bodies: PCI (A-12040)

Award, Fellowship & Recognition:

- GATE (Pharmacy) 2005, AIR-243
- Research Associate (CSIR-SRF): 2011-2015
- Post Doctoral Fellow (Hebrew University of Jerusalem): 2017-2022



Scanned Signature

Date: 18.01.2023 (Name) Nikhil Biswas