

Dr. SUVENDU KUMAR SAHOO

M. Pharm, Ph.D.

Associate Professor,

Department of Pharmaceutical Technology,


School of Health and Medical Sciences,

Adamas University, Barasat, Kolkata-700126

E-mail: suvendu.sahoo1@adamasuniversity.ac.in

suvssahoo@gmail.com

Mob: 7683910049

 ORCID: 0000-0002-0922-5869

Scopus ID: 36461599200

<https://scholar.google.com/citations?user=BoACjjAAAAAJ&hl=en>

<https://vidwan.inflibnet.ac.in/profile/311101>



Career Objective

To seek the challenging career in the pharmaceutical world and a position to utilize my knowledge & skills.

Research Index

Publications	26	
Citations	208 (Google Scholar)	101 (Scopus)
h-index	10 (Google Scholar)	7 (Scopus)
i10-index	10 (Google Scholar)	2 (Scopus)

Research Grants Received

Research project	Title: "Design and evaluation of oral fixed dose formulation of modified release anti-hypertensive agents with improved functionality". Funding agency: UGC (Minor) Sanctioned amount: ₹ 95,000.00 Duration: 2 years Effective from: 21 st March 2013
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Research Guidance (Ph.D. Scholars)

Awarded	2
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Project Guidance

B. Pharm	45
M. Pharm	25

Academic Qualification

Ph. D.	University : Berhampur University, Bhanja Bihar, Berhampur, Odisha Month & Year : July 2019 Title of thesis : Formulation and Evaluation of Self-emulsifying Drug Delivery Systems
M. Pharm	Specialization : Pharmaceutics Institute : Birla Institute of Technology, Mesra, Ranchi Deemed to be University CGPA : 7.85 Year : 2008 Title of thesis : Formulation and Evaluation of Tableted Solid Dispersions using Felodipine as Model Drug
B. Pharm	Institute : Roland Institute of Pharmaceutical Sciences, Berhampur, Odisha University : Biju Patnaik University of Technology, Rourkela, Odisha Mark : 74.5% Year : 2005
10+2 Science	Institute : Upendra Nath College, Soro University : Council of Higher Secondary Education, Odisha Mark : 56.66% Year : 1999
Matriculation	School : Barapur High School Board : Board of Secondary Education, Odisha Mark : 74% Year : 1997

Professional Experience (16+ Years)

Sl. No.	Organization	Job Type	Designation	Period	Duration
1	GITAM School of Pharmacy, GITAM Deemed to be University, Visakahapatnam	Teaching & Research	Assistant Professor	01-09-2008 to 15-02-2024	15 Years 5 months
2	Department of Pharmaceutical Technology, School of Health & Medical Sciences, Adamas University, Kolkata	Teaching & Research	Associate Professor	16-02-2024 to 30-09-2024	7.5 months

3	Department of Pharmaceutical Technology, School of Health & Medical Sciences, Adamas University, Kolkata	Teaching & Research	HoD & Associate Professor	01-10-2024 to Current	--
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Administration Activity

1. Head of the Department, Department of Pharmaceutical Technology, School of Health and Medical Sciences, Adamas University, Kolkata. (From 01-10-2024 to till date)
2. Examination coordinator at GITAM School of Pharmacy (from 2014-15 to February 2024)
3. Member, Board of Studies at GITAM School of Pharmacy, Visakhapatnam
4. Chief Teacher Associate for confidential work at the office of the Directorate of Evaluation, GITAM Deemed to be University.
5. Coordinator of GITAM Media Cell from February 2010 to January 2012.
6. News coordinator and Editorial Committee member of GITAM Magazine “INFOCUS”
7. Academic coordinator and Examination coordinator at GITAM Institute of Pharmacy (from 2009-10 to 2011-12)
8. Institutional Audit member coordinator during ISO inspection and audit
9. Hostel coordinator

Publications (26)

International: 23

	<ol style="list-style-type: none"> 1. Development and Optimization of Amlodipine besylate microspheres by 3-factor–3–level Box-Behnken design. Research J. Pharmacy and Technology, 2025; 18(8): 3655-3661. [DOI: 10.52711/0974-360X.2025.00526] {Scopus Q2 - 2024} 2. Characterization and safety assessment of Hydroxypropyl <i>Musa paradisiaca</i> starch for pharmaceutical applications. Journal of Applied Pharmaceutical Science, 2024; 14(7): 111-123. [DOI: 10.7324/JAPS.2024.174568] {Scopus Q2 - 2023} 3. A Comprehensive Update on Nanoparticle in Targeting of Skin Cancer Therapy: Recent Updates, Challenges, and Future Perspectives. Research J. Pharm. and Tech. 2024; 17(6): 1-5. [DOI: 10.52711/0974-360X.2024.00466] {Scopus Q2 - 2023} 4. Mouth Dissolving Film: A Review. International Journal of Pharmaceutical Research and Applications, 2024; 9(2): 35-42. [DOI: 10.35629/7781-09023542] 5. Pluronic® P123-coated liposomal codelivery of paclitaxel and lapatinib enhances therapeutic potential via tumor cell targeting and overcoming multidrug resistance in triple-negative breast cancer cells. Journal of Applied Pharmaceutical Science, 2023; 13(6): 225-236. [DOI:
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	10.7324/JAPS.2023.132946] {Scopus Q2 - 2023}
6.	Development and Characterization of Eudragit RL100 Nanoparticle Loaded Duloxetine Hydrochloride Gel for Transdermal Drug Delivery. International Journal of Drug Delivery Technology, 2022; 12(4): 1618-1625. [DOI: 10.25258/ijddt.12.4.24] (Impact factor: 1.592) {Scopus Q3 - 2023}
7.	Applications of polysaccharides in topical and transdermal drug delivery: A recent update of literature. Brazilian Journal of Pharmaceutical Sciences, 2022; 58: e20802. [DOI: 10.1590/s2175-97902022e20802] {Scopus Q3 - 2023}
8.	Formulation and development of nebivolol hydrochloride loaded chitosan-PLGA based nanogel: <i>Ex vivo</i> permeation and <i>in vivo</i> pharmacokinetic study. European Chemical Bulletin, 2022; 11(10): 72-81. [DOI: 10.31838/ecb/2022.11.10.010] {Scopus Q3 - 2022}
9.	Black Fungus-Fungi in Chinese Cuisine and Deadly Triggered in India. British Journal of Pharmaceutical and Medical Research, 2022; 7(3): 3647-3661. [DOI: 10.24942/bjpmr.2022.908] (Impact factor: 5.885)
10.	Paclitaxel and Lapatinib dual loaded chitosan-coated PLGA nanoparticles enhance cytotoxicity by circumventing MDR1-mediated trastuzumab resistance in HER2 positive breast cancers: In-vitro and in-vivo studies. Journal of Drug Delivery Science and Technology, 2022; 73: 103445(1-13). [DOI:10.1016/j.jddst.2022.103445] (Impact factor: 5.062) {Scopus Q1 - 2023}
11.	A review of merely polymeric nanoparticles in recent drug delivery system. Asian Journal of Pharmaceutical and Clinical Research, 2022; 15(4): 4-12. [DOI: 10.22159/ajpcr.2022.v15i4.43239]
12.	Assertion of Toxicological Profile and Laxative Nature of Yash Churna. International Journal of Pharmaceutical Research, 2021; 13(3): 1415-1431. [DOI: 10.31838/ijpr/2021.13.03.202] {Scopus - 2021}
13.	Silver Hull Buckwheat (<i>Fagopyrum esculentum</i> Moench) is a Part of Nature that Offers Best Health and Honour. Journal of Complementary and Alternative Medical Research, 2021; 15(2): 22-52. [DOI: 10.9734/JOCAMR/2021/v15i230262]
14.	Detection of Secondary Metabolites Using HPTLC and GC-MS Analysis and Assessment of Pharmacological Activities of Phoenix loureiroi Kunth (Arecaceae) Ethanolic Leaves Extract in the Management of Pyrexia, Pain and Inflammation. Discovery Phytomedicine, 2021; 8(2): 67-82. [DOI: 10.15562/phytomedicine.2021.163] (Impact factor:2.97)
15.	Formulation and in-vitro evaluation of a transdermal patch loaded with Letrozole. International Journal of Research in Pharmaceutical Sciences, 2020; 11(SPL4): 997-1005. (Impact factor:0.24) [DOI: 10.26452/ijrps.v11iSPL4.4235] {Scopus - 2020}
16.	Design and development of self-microemulsifying drug delivery systems

	<p>(SMEDDS) of telmisartan for enhancement of <i>in vitro</i> dissolution and oral bioavailability in rabbit. International Journal of Applied Pharmaceutics, 2018; 10(4): 117-126. (<i>Impact factor: 1.079</i>) (0975-7058) [24-05-2018] [DOI: 10.22159/ijap.2018v10i4.27048] {Scopus Q2- 2023}</p> <p>17. Formulation development and bioavailability assessment of aripiprazole by self-nanoemulsifying drug delivery systems. Asian Journal of Pharmaceutics, 2018; 12(3): S1059-S1068. (<i>Impact factor: 0.470</i>) (0973-8398) [30-09-2018] [First or Principal (3)] [DOI: 10.22377/ajp.v12i03.2652] {Scopus - 2018}</p> <p>18. Formulation development and evaluation of oral disintegrating tablets of Zolmitriptan. Der Pharmacia Lettre, 2013; 5(2): 324-332. (<i>Impact factor: 1.96</i>) {Scopus Q3- 2015}</p> <p>19. Formulation and in vitro evaluation of gastroretentive floating drug delivery system of ritonavir. Turkish Journal of Pharmaceutical Sciences, 2013; 10(1): 69-86. (<i>Impact factor: 0.57</i>) {Scopus Q2- 2023}</p> <p>20. Carbonic anhydrase I and II inhibition with natural products: caffeine and piperine. Journal of Enzyme Inhibition and Medicinal Chemistry, 2012; 27(1): 97-100. (<i>Impact factor: 5.051</i>) {Scopus Q1- 2023}</p> <p>21. Acute and sub-acute toxicity studies of hydroalcoholic extract from <i>Acacia suma</i> (Roxb)(Fabaceae) stem barks. International Journal of Phytomedicine, 2012; 4(2): 277-283. (<i>Impact factor: 0.583</i>) {Scopus Q4- 2015}</p> <p>22. 3D-QSAR study of benzene sulfonamide analogs as carbonic anhydrase II inhibitors. Bioorganic & Medicinal Chemistry Letters, 2010; 20(10): 3089–3093. (<i>Impact factor: 2.94</i>) {Scopus Q2- 2023}</p> <p>23. Rapid FTIR Method for Estimation of Sucrose in a Traditional Indian Polyherbal Formulation. Eurasian Journal of Analytical Chemistry, 2010; 5(1): 73-80. {Scopus Q3- 2017}</p>
National: 3	
	<p>1. In Quest of the Mysterious Holistic Vedic Herb <i>Bacopa monnieri</i> (L.) Pennell. Pharmacognosy Research, 2023; 15(3): 410-454. [DOI: 10.5530/pres.15.3.045] {Scopus Q3- 2017}</p> <p>2. Formulation and characterization of Self emulsifying Drug Delivery System for BCS class–II drugs using Trimethoprim as a model drug. Indo American Journal of Pharmaceutical Sciences, 2018; 05(07): 6733-6754.</p> <p>3. Dissolution rate enhancement of Alprazolam by solid dispersion. Indian journal of Pharmaceutical Education and Research, 2012; 46(1): 38-44. (<i>Impact factor: 0.425</i>) {Scopus Q3- 2023}</p>

Books & Chapters

1. Kondapuram Parameshwar, Dr. Suvendu Kumar Sahoo, A Salomy Monica Diyya, Dr. Shaik Harun Rasheed & C K Ashok Kumar (2024). Emerging of Artificial Intelligence and Technology in Transdermal Drug Delivery. In: Dr Rahul Trivedi (Ed.) Research Trends in

- Pharmaceutical Sciences. South Asian Academic Publications, vol. 12, pp. 25-52.
2. Rabinarayan Parhi, Suryakata Swain, Suwendu Kumar Sahoo, Sandeep Prasad Tiwari and Rajni Yadav (2023). Probiotic-based Anticancer Immunity in Lung Cancer. In: Mitesh Kumar Dwivedi, Alwarappan Sankarnarayanan, Sanjay Tiwari (eds.); Frontiers in Cancer Immunology-Probiotics in Anticancer Immunity. Bentham Books, vol. 3, pp. 236-261.
 3. Rabinarayan Parhi, Bibhash Chandra Mohanta, Goutam Kumar Jena and Suwendu Kumar Sahoo (2023). Recent advancements in lipid-based nanocarriers for transdermal drug delivery. In: Inamuddin, Jorddy Neves Cruz, Tariq Altalhi (eds); Green Sustainable Process for Chemical and Environmental Engineering and Science: Recent Advances in Nanocarriers. Elsevier, pp. 347-401. [Published on 20 March 2023, Paper Book ISBN: 978-0-323-95171-5, eBook ISBN: 978-0-323-95172-2, DOI: <https://doi.org/10.1016/B978-0-323-95171-5.00001-7>]
 4. Jena, G.K., Parhi, R., Sahoo, S.K. (2022). Nanoemulsions in Food Industry. In: Egbuna, C., Jeevanandam, J., C. Patrick-Iwuanyanwu, K., N. Onyeike, E. (eds); Application of Nanotechnology in Food Science, Processing and Packaging. Springer, Cham., pp. 73-91. https://doi.org/10.1007/978-3-030-98820-3_5 [Published on 04 May 2022, Print ISBN: 978-3-030-98819-7, Online ISBN: 978-3-030-98820-3]
 5. K. Parameshwar, Suwendu Kumar Sahoo (2022). Recent Developments of Transdermal based Nanogels, Notion Press Media Pvt. Ltd.

Poster Presentation at Scientific Session

**60th IPC, New
Delhi, 2008**

Title: Study of Drug-Excipient Interaction of Felodipine Solid Dispersion by FTIR Method

**International
Conference on
Innovations in
Pharmaceutical
Sciences -2018)**

Title: Formulation, Characterization and *In vivo* Evaluation of Self-Nanoemulsifying Drug Delivery Systems containing Aripiprazole
Venue: Guru Nanak Institute of Pharmacy, Ibrahimpatnam, Hyderabad
Date: 3rd & 4th August, 2018

**70th IPC, New
Delhi, 2018**

Title: Development of Novel Self-Microemulsifying Drug Delivery Systems of Telmisartan Containing Cinnamon Essential Oil: Characterization and Bioavailability Assessment

Co-Curricular Activities

**Seminar
Attended**

1. International Webinar on “Challenges and Innovative Delivery Approaches for the Management of Chronic Diseases” organized by Faculty of Pharmacy, Universiti Teknologi MARA, Malaysia & GITAM School of Pharmacy, Hyderabad on 18th November, 2020.
2. Live Session on “Patent Protection for Innovation Driven Educational Institutions” organized by Turnip Innovations in association with The Frontier

Legal, on 29th August, 2020.

3. E-Learning Session on “Pharmacovigilance: New Career Avenue For Pharmacy Professionals” organized by Bengal School of Technology- A College of Pharmacy on 28th August 2020.
4. International Webinar on “Drug Discovery & Drug Development” held on 27th & 28th August, 2020 organized by Department of Pharmacy, Tripura University (A Central University).
5. Dr. B.D. Miglani Memorial Webinar On “Clinical Pharmacist And Pharmaceutical Care” Organised by Bengal School of Technology- A College of Pharmacy in association with Indian Hospital Pharmacists’ Association (IHPA) on 10th August 2020.
6. Live Webinar on “How to Become a Highly Influential Personality” on 6th August 2020 organized by SVKM’s NMIMS School of Pharmacy & Technology Management (SPPSPTM), Mumbai.
7. National Webinar on “Applications of Statistics in Data Science” during July 21 & 22, 2020, organized by Department of Mathematics, School of Science, GITAM (Deemed to be University), Hyderabad.
8. International Webinar on “Statistical Methods and Applications in Biological Research” jointly organized by GITAM Institute of Pharmacy, Visakhapatnam and GITAM School of Pharmacy, Hyderabad on 7 June 2020.
9. National seminar on “Drug Design and Molecular Modeling” held on 24th September 2015 at GITAM Institute of Pharmacy, GITAM Deemed to be University, Visakhapatnam.

**Conference
attended**

1. 70th Indian Pharmaceutical Congress (IPC-2018), New Delhi
2. International Conference on APBIO-2017 held on 10th & 11th August 2017.
3. International Conference on Innovations in Pharmaceutical Sciences (ICIPS-2018)
4. International Conference on Biotechnology in Pharma & Food Industries
5. 49th Annual Conference of The Indian Hospital Pharmacists' Association
6. 60th Indian Pharmaceutical Congress-2008, New Delhi
7. 56th Indian Pharmaceutical Congress, Kolkata

FDP attended

1. “Transforming Education in the Light of the National Education Policy & Understanding the Different Accreditation Bodies” from 3rd June to 12th June 2025 at Adamas University, West Bengal.
2. NEP 2020 Orientation & Sensitization Programme under Malaviya Mission Teacher Training Programme (MMTTP) of University Grants Commission (UGC) Organized by Malaviya Mission Teacher Training Centre (MMTTC), Staff Training and Research Institute of Distance Education (STRIDE), Indira Gandhi National Open University (IGNOU), Maidan Garhi, New Delhi from

16th to 24th December, 2024

3. AICTE Training And Learning (ATAL) Academy Online FDP on "New Dimensions in Teaching Learning Practices in Pharmaceutics" from 20-09-2021 to 24-09-2021 at GITAM Institute of Pharmacy, Visakhapatnam, Andhra Pradesh.
4. AICTE Training And Learning (ATAL) Academy Online FDP on "Drug Engineering" from 23-11-2020 to 27-11-2020 at Dr. Dayaram Patel Pharmacy College, Bardoli, Gujarat.
5. AICTE Training And Learning (ATAL) Academy Online FDP on "OECD principle of Good Laboratory Practices" from 22-9-2020 to 26-9-2020 at SSR College of Pharmacy, Silvassa.
6. Online Faculty Development Program on "Sustainable e-Learning Trends in Pharmacy Education & Training" on 8th & 9th August, 2020, jointly organized by Regional Institute of Pharmaceutical Science & Technology, Tripura; Institute of Pharmacy and Technology, Salipur; DIT University, Faculty of Pharmacy, Dehradun.
7. Online Faculty Development Program on "Productivity Tools for Teaching Enhancement" from 20th April to 3rd May, 2020, conducted by Dhyanhitha Educational Society and organized by GITAM Deemed to be University, Visakhapatnam.
8. Workshop on "Patent Awareness" on 28/10/2013 at GITAM Institute of Science, GITAM Deemed to be University, Visakhapatnam.
9. One-Day Workshop in "PK/PD Modeling: Hands-On Training Using Phoenix® WinNonlin® Software" on 20th July 2013 at GITAM Institute of Pharmacy, GITAM Deemed to be University, Visakhapatnam.

Training

1. Participated in the Staff Development Programme on "Instructional Design and Delivery System" conducted by National Institute of Technical Teachers Training and Research (NITTTR), Chennai, Government of India, Ministry of Human Resource Development at GITAM Institute of Pharmacy, GITAM University, Visakhapatnam from 1st to 6th May 2009.
2. "NEP 2020 Orientation & Sensitization Programme" under Malaviya Mission Teacher Training Programme (MMTTP) of University Grants Commission (UGC) Organized by Malaviya Mission Teacher Training Centre (MMTTC), Staff Training and Research Institute of Distance Education (STRIDE), Indira Gandhi National Open University (IGNOU), Maidan Garhi, New Delhi from 16th to 24th December, 2024 and obtained Grade 'A+'.

Membership in Professional Bodies

1. Life member of the Association of Pharmaceutical Teachers' of India (APTI) Membership No.: AP/LM 415

2. Life member of the Indian Pharmacy Graduates' Association (IPGA)
Membership No.: LM 4185
3. Life member of the Indian Hospital Pharmacists' Association (IHPA)
Membership No.: 50905

Declaration: I hereby declare that the above information is correct to the best of my knowledge.



(Suvendu Kumar Sahoo)