

	<p>Name: Dr. Madhusmriti Khandai Designation: Professor</p>				
<p>About</p>	<p>Email: madhurcphs@gmail.com, drmskhandai@gmail.com DOB: 14.11.1982 DOJ: 01.08.2008 Department: Pharmacy Area of Research Interest: NDDS, Microencapsulation, Nanoencapsulation, TDDS, Co-crystals, Solid State Manipulation, Pharmaceutical Excipients Isolation from natural sources, Mucoadhesion and Bio-adhesion. Citations 287 overall and 124 since 2017 h index 8 overall and 5 since 2017 i10 index 8 overall and 3 since 2017 Orchid id https://orchid.org/0000000340249735</p>				
<p>Qualifications</p>	<p>Educational Qualifications B. Pharm: 76.76 % Jeypore College of Pharmacy, Odisha. (2001-2005) M. Pharm: 9.31 CGPA College of Pharmaceutical Sciences, Berhampur. (2006-2008) Ph.D.: IFTM University, Moradabad. (2011-2016) Teaching and Research Experiences</p> <table border="1" data-bbox="427 954 1471 1066"> <thead> <tr> <th>Experience</th> <th>Years</th> </tr> </thead> <tbody> <tr> <td>Teaching</td> <td>15.4</td> </tr> </tbody> </table> <p>Courses Taught B. Pharm.- Industrial Pharmacy-I, M. Pharm. (Pharmaceutics)- Modern Pharmaceutics, Regulatory Affairs, Cosmetics and Cosmeceuticals M. Pharm. (Pharmaceutical Technology)- Modern Pharmaceutics, Regulatory Affairs, Cosmetics and Cosmeceuticals</p>	Experience	Years	Teaching	15.4
Experience	Years				
Teaching	15.4				
<p>Achievements</p>	<p>Awards and Recognitions</p> <ul style="list-style-type: none"> • Recipient of Young Achiever's Award-2019 by InSC • Recipient of Best Talent Award (Female) -2019 during 13th Indo Malaysian Conference, held at Puri by Association of Pharmacy Professionals. • Recipient of Women Researcher Award in "International Scientist Awards on Engineering, Science and Medicine" -INSO 2021, VD GOOD Professional. • Recipient of Innovative Researcher Award -2022 during National Conference on Health Care Advancement by Optimizing Pharmaceutical & Education Sector. • Recipient of Women Excellence Award -2022 during International Conference on Expanding Multi-Disciplinary Approaches for Health care & Well being, Held at Bangkok, Thailand. <p>Online Teaching Mode Zoom, Google Meet, MS Teams, Cisco Webex</p> <p>Expertise NDDS, Microencapsulation, Nanoencapsulation, TDDS, Co-crystals, Solid State Manipulation, Pharmaceutical Excipients Isolation from natural sources, Mucoadhesion and Bioadhesion.</p> <p>Invited Lectures:</p> <ul style="list-style-type: none"> • Resource Person for APTI - IPA Odisha MOOCs FDP 2020. 				

	<ul style="list-style-type: none"> Lecture delivered on Ophthalmic Product Development at PCET Group of Institutes, Ludhiana, Punjab, India. Lecture delivered on 3D Printing at Sambhunath College of Pharmacy, Prayagraj, Uttar Pradesh, India. Lectures delivered on Cosmetic Sciences, it's regulations and formulation aspect of various products, GIST, Gunupur, Rayagada, Odisha. India. 			
	Membership of Professional Bodies: <ul style="list-style-type: none"> IPA life member- ORI/LM/138 APTI life member- OR/LM/335 APP life member FIC Institute of Chemist: FIC Life membership no.- LF328(4)/6330 InSC life member FHER Life Member PRISAL Life Member 			
Publications	Sl. No.	Title of Publication	Impact Factor	Journal Name
	1	Carbon Nanostructures as Therapeutic Cargoes: Recent Developments and Challenges	2.6 (Research Impact)	<i>C-Journal of Carbon Research, 2023</i>
	2	Evidence-based treatment, assisted by mobile technology to deliver and Evidence-Based drugs in South Asian Countries.		<i>Archives of Pharmacy Practice, 2022</i>
	3	A systematic review of various in-vivo screening models as well as the mechanism involved in Parkinson's disease screening process	2.36	<i>Current Reviews in Clinical and Experimental Pharmacology, 2022</i>
	4	Solid State Manipulation of Telmisartan via Mechano-chemical activation with Kaolin: An Assessment of Biopharmaceutical Properties of Amorphous Phase and its Physical Stability		<i>International Journal of Pharmaceutical Sciences and Research, 2021</i>
	5	Isolation and Characterization of Dillenia Fruit Mucilage: A Novel Polymer for Microspheric Delivery of Losartan Potassium	0.86	<i>Drug Delivery Letters, 2020</i>
	6	Preparation and Evaluation of Gel-Type Transdermal Drug Reservoir of Aceclofenac	0.65	<i>International Journal of Pharmaceutical Sciences Review and Research, 2019</i>
	7	Curcumin Loaded in-situ Nanoemulgel: An Unique Dosage Form for Ophthalmic Drug Delivery .	0.65	<i>International Journal of Pharmaceutical Sciences Review and Research, 2018</i>

8	Development and In-Vitro Evaluation of Pectino-Eudragit NE 30D Based Sustained Release Gastroretentive Microspheric Drug Delivery System of Ciprofloxacin Hydrochloride.	0.65	<i>International Journal of Pharmaceutical Sciences Review and Research, 2017</i>
9	Comparison of sedimentation stability of ampicillin trihydrate suspensions using near infrared extinction profiles	0.72	<i>Thai Journal of Pharmaceutical Sciences, 2016</i>
10	Development and In-vitro evaluation of sustained release gastroretentive microspheric drug delivery system of ciprofloxacin hydrochloride	0.65	<i>International Journal of Pharmaceutical Sciences Review and Research, 2015</i>
11	Ionotropic cross-linked carbo-protein micro matrix system: An approach for improvement of drug release, compaction and tableting behavior of losartan potassium.	1.752	<i>Current Drug Delivery, 2015</i>
12	Design and development of aceclofenac transdermal therapeutic system: Influence of chemical permeation enhancer on drug permeation using multiple comparison analysis	0.86	<i>Drug Delivery Letters, 2015</i>
13	Comparison of Sedimentation Stability of Azithromycin Dihydrate Suspensions using near Infrared Extinction Profiles with Different Suspending Agents	0.675	<i>Research Journal of Pharmacy and Technology, 2015</i>
14	Rapid assessment of sedimentation stability in Paracetamol suspension formulations with different suspending agents using near infrared transmission measurements.	0.75	<i>Journal of Chemical and Pharmaceutical Research, 2015</i>
15	Evaluation of sedimentation stability in paracetamol suspensions with Plantago ovata mucilage as suspending	0.134	<i>Der Pharmacia Lettre, 2015</i>

	agent using near-infrared transmission measurements .		
16	Critical analysis of algino-carbopol multiparticulate system for the improvement of flowability, compressibility and tableting properties of a poor flow drug	4.142	<i>Powder Technology, 2014</i>
17	Losartan potassium loaded bioadhesive micro-matrix system: An investigation on effects of hydrophilic polymeric blend on drug release.	0.898	<i>Pharmaceutica Analytica Acta, 2014</i>
18	Studies on effects of polymeric bland on in-vitro drug release from aceclofenac transdermal patches.	0.65	<i>International Journal of Pharmaceutical Sciences Review and Research, 2014</i>
19	Algino-losartan mucoadhesive microspheres: an unique device for prolonged drug delivery.	0.65	<i>International Journal of Pharmaceutical Sciences Review and Research, 2013</i>
20	Design, Characterization and Pre-Clinical Evaluation of Aceclofenac Loaded Algino-gelatin Microspheres for Targeted Drug Delivery	0.86	<i>Drug Delivery Letters, 2013</i>
21	Applications of nanotechnology in medical sciences .		<i>Inventi Impact: NDDS, 2012</i>
22	Preparation and in vitro - in vivo evaluation of aceclofenac loaded alginate microspheres: An investigation of effects of polymer using multiple comparison analysis.	1.752	<i>Current Drug Delivery, 2012</i>
23	Preparation and Preclinical Evaluation of Aceclofenac Loaded Pectinate Mucoadhesive Microspheres .	0.95	<i>Drugs and Therapy Studies, 2012</i>
24	Preparation, In-Vitro and Preclinical Evaluation of Algino-Pectinate bio-adhesive microspheres: An Investigation of Effects of Polymers using Multiple Comparison Analysis.	1.588	<i>Acta Pharmaceutica, 2010</i>

	25	Preparation and evaluation of algino-sericin mucoadhesive microspheres: An approach for sustained drug delivery		<i>Journal of Advanced Pharmaceutical Research, 2010</i>
	26	Fabrication and characterization of algino-carbopol microparticulate system of aceclofenac for oral sustained drug delivery.	0.65	<i>International Journal of Pharmaceutical Sciences Review and Research, 2010</i>
	27	Development and Evaluation of Propranolol Hydrochloride Matrix Tablets: An Investigation of Effects of Combination of Hydrophilic and Hydrophobic Matrix Formers using Multiple Comparison Analysis .	0.65	<i>International Journal of Pharmaceutical Sciences Review and Research, 2010</i>
	28	Design and Evaluation of Mucoadhesive Microspheres of Model NSAID Drug .		<i>International Journal of Pharmaceutical Excipients, 2009</i>
	29	Studies on Effects of Drug Solubility on Release Kinetics of Water Soluble and In-Soluble Drug from HPMC based Matrix Formulations.	1.588	<i>Acta Pharmaceutica, 2009</i>
	30	Effects of Hydrophilic and Hydrophobic Polymer in Verapamil Hydrochloride Matrix Formulation		<i>International Journal of Pharmaceutical Excipients, 2009</i>
	31	Characterization of Aceclofenac microspheres: An approach to Improve the Flow Behaviour.		<i>International Journal of Pharmaceutical Excipients, 2008</i>
	32	Comparative Study on Effect of Natural and Synthetic Super disintegrants in the Formulation of Fast Dissolving Tablets	0.32	<i>International Journal of Green Pharmacy, 2008</i>
	33	Preparation and Evaluation of Aceclofenac Matrix Formulation by using Natural Polymer Olibanum Resin .		<i>International Journal of Pharmaceutical Excipients, 2007</i>
Participations	Sl. No.	Event		
		International Level		
	1	International Conference on Expanding Multi-Disciplinary Approaches for Health care & Well being-2022, Held at Bangkok, Thailand.		
	2	22 nd Indo-US International Conference-2022 organized by Association of Pharmacy Professionals and College of Pharmaceutical Sciences, Puri.		

	3	13 th Indo-Malaysian International Conference-2019 organized by Association of Pharmacy Professionals and College of Pharmaceutical Sciences, Puri
	4	International Conference BCRCPiCON-2019 organized by Dr. B. C. Roy College of Pharmacy & Allied Health Sciences., Durgapur.
	5	UDPS Pharmacon-2018 organized by Utkal University, Bhubaneswar.
	National Level	
	1	National Conference-2022 on Health Care Advancement by Optimizing Pharmaceutical & Education Sector.
	2	National Seminar-2019 organized by College of Pharmaceutical sciences, Puri
	3	National Seminar 2018 on Cell Based Vehicles as Tools for Drug Development & Therapy: Opportunities & Challenges., organized by IPT Salepur
	4	IPC -2018, Amity University, Noida, Delhi NCR, organized by Indian Pharmaceutical Association
	5	IPA Annual convention 2018 organized by IPA., Bhubaneswar.
	6	National Conference on Advances in Pharmaceutical Technology & Regulatory Affairs (APTRI-2017) held at Gupta College of Technological Sciences, West Bengal.
	Online Conferences, FDP's, IPR awareness, CSIR Summer Training Internship etc.	
	<ul style="list-style-type: none"> ✓ Participated in Drug Discovery Hackathon -2020. ✓ Participated in 1 CSIR sponsored Summer Training Programme in 2020. ✓ Undertook training in 2 IPR awareness programmes which include patent filling process. ✓ Participated in 49 FDP's and conferences through Online Platforms during 2020-2022. 	
Patents	<ul style="list-style-type: none"> ✓ Australian Patent granted on the topic: Antidiabetic and hypolipidemic effects of certain amino acids and the methods thereof. ✓ Australian Patent granted on the topic: "Synthesis of some 3-Amino-2-Phenyl Quinazolin-4(3H)-One Derivatives As Potential Anti-Inflammatory Agent. ✓ German Patent granted on topic: "POLYHERBAL COMPOSITION OF GREEN TEA EXTRACT" Application No- 20 2021106726) ✓ South African Patent granted on topic: "DEVICE FOR MONITORING FLUCTUATIONS IN DPN SEVERITY THROUGH AUTOMATED MEASUREMENT OF NERVE CONDUCTION PARAMETERS." (Application No-2022/02911,) ZA202202911B ✓ German Patent granted on topic " Portable Vaccine Storage Device (Application No- 202022100985) ✓ Indian Design Patent Published on topic: " Vaccine and Insulin Storage Box. 	
Project Guide	B. Pharm: 48 Completed	
	M. Pharm: 16 Completed 03 Continuing	
	Ph.D.: 02 Continuing	
Funded Projects	Applied for research project in the year 2021 under the Department of Science and Technology (Status -Approved for sanction.)	

