

Faculty Profile

Name: **PARTHA PALIT**

Designation: **ASSISTANT PROFESSOR**

Department/ Centre: Department of Pharmaceutical Sciences

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Educational Qualifications: [M.Pharm. (First Class **First**; Gold **Medalist**) in Pharmaceutical Technology, Jadavpur University(2003); Ph.D. in Pharmacy from IICB, Kolkata under Jadavpur University (2010) ; Post-doctorate; Australian National University(ANU) (2014- 2015)]

Areas of Interest:

- & Drug discovery and development from natural source and synthetic molecule, especially against **cancer, Leishmania, neurological disease, dementia, inflammation, pain, immunodeficiency disorders, auto-immune disorders** and diabetes.
- Industrial scale-up of bio active lead compounds from Indian traditional medicinal plants.
- Liposomal drug delivery against Leishmaniasis and Cancer.
- Repurposing of old drugs for new uses against Diseases.
- Assessment of heavy metals in drinking water derived from ground surface and development of their removal methodology by bio-engineering herbal technology process.
- *In-silico* pharmacological drug design.
- phytopharmacology

Work Experience: [In chronological order with the recent one at the last.]

Name of the Organization	Designation	Period		Nature of Post (permanent/temporary/Ad-hoc/contractual etc.)
		From	To	
National Homeo Laboratory Kolkata-70015	Analytical Chemist	04.05.2000	30.09.2003	Permanent
IICB, Kolkata-32	Junior Research Fellow	01.10.2003	31.01.2004	Contractual

Gupta College of Technological Science, Pharmacy College AsansoI-1	Lecturer	02.02.2004	30.06.2004	Ad-hoc
Indian Institute of Chemical Biology, Kolkata	Senior Research Fellow (Ph. D. Scholar)	01.07.2004	17.11.2008	Contractual
Dr. B.C. Roy College of Pharmacy and A.H.S, Durgapur	Assistant Professor	19.11.2008	31.10.2013	Permanent
Dr. B.C. Roy College of Pharmacy and A.H.S, Durgapur	Associate Professor	01.11.2013	31.01.2015	Permanent
Australian National University, The John Curtin School of Medical Research	Endeavour Postdoc Research Fellow	07.07.2014	03.01.2015	Contractual
NIPER KOLKATA	Guest Faculty	01.01.2011	31.12.2013	Contractual
Assam University	Assistant Professor	02.02.2015	Continuing	Permanent

Awards and Honors (if any): [Maximum up to 5] [In chronological order with the recent one at the last.]

Award Details	Awarding Agency	Year	Remark (if any)
Recipient of National Scholarship for excellent performance in Madhyamik (Secondary) Examination	West Bengal State Govt. India	1993	National Level
Recipient of Gold medal for standing First class first at the Master of Pharmacy (M.Pharm.) examination in Jadavpur University	JADAVPUR UNIVERSITY, STATE GOVT. OF WEST BENGAL	2003	National Level
Recipient of Fast track young scientist for research Achievement	DST(SERB); Govt. of India	2013	National Level
Recipient of Prestigious Australian Endeavour Research Fellow	Higher Education of Govt. of Australia ; Australian Research	2014	International

	Council		
Recipient of Australian Endeavour Research Ambassador	Higher Education of Govt. of Australia	2016	International

Projects: [In chronological order with the recent one at the last. Mention shall be made if the project is ongoing or completed]

Project Title	Awarding Agency	Period	Amount Sanctioned	Ongoing/ Completed
Screening and pharmacological evaluation of medicinal plants against asthma and arthritis	DST(SERB), Govt. of India	2013-2016	18 Lakhs	Completed as P.I.
<i>In vitro</i> pharmacological evaluation against dementia and cerebral stroke of isolated secondary metabolites from <i>Gelsemium sempervirens</i> , withaferin-A & withanolide and development of nanophytosome formulation with optimised lead phyto-molecules.	UGC- STARTUP GRANT	2017-2019	6 Lakhs	Completed as P.I.
Bioprospecting of a few selected Ethnomedicinal plants of North-East India for Phytocharacterization with in vitro and in vivo validation against inflammation, pain and Rheumatoid Arthritis	Indian Council of Medical Research. (I.C.M.R., Govt. of India)	2021-2024	69 Lakhs	Approved for funding as P.I.

Consultancy/International Collaboration: [In chronological order with the recent one at the last.]

Details	Year	Remark (if any)
Investigation and evaluation of Natural Amaryllidaceae alkaloidal derivatives against viral diseases & Inflammatory disorders with Australian National University	2020	-

Publications in Peer Reviewed Journals (Maximum 5)

Authors	Title of the Paper	Name of the Journal	Journal details	ISSN
Partha Palit* , Debprasad Chattopadhyay, Sabu Thomas, Amit Kundu, Hyung Sik Kim, Nima Rezaei,	Phytopharmaceuticals mediated Furin and TMPRSS2 receptor blocking: can it be a potential therapeutic option for Covid-19?	Phytomedicine (Impact Factor - 4.3)	28 October 2020, 153396, Elsevier publishers	0944-7113
Partha Palit* , Subhash C. Mandal, Biswanath Bhunia	Total steroid and terpenoid enriched fraction from <i>Euphorbia neriifolia</i> Linn offers protection against nociceptive pain, inflammation, and <i>in vitro</i> arthritis model: An insight of mechanistic study.	International Immunopharmacology (Impact Factor - 3.94)	(2016),41;106-115 Elsevier publishers	1567-5769

<p>Palit P, Paira P, Hazra A, Banerjee S, Gupta AD, Dastidar SD, and Mondal NB</p>	<p>Phase Transfer Catalyzed Synthesis of Bis- Quinolines and Oxazinoquinolones: Antileishmanial Activity in Experimental Visceral Leishmaniasis and <i>in vitro</i> Antibacterial Evaluation</p>	<p><i>European Journal of Medicinal Chemistry</i> (Impact factor - 5.6).</p>	<p>44 :845-853 & 2009, Elsevier publishers</p>	<p>0223- 5234</p>
<p>Palit P. and Ali N.</p>	<p>Oral therapy with sertraline, a selective serotonin reuptake inhibitor, shows activity against <i>Leishmania donovani</i></p>	<p><i>Journal of Antimicrobial Chemotherapy.</i> (Impact factor - 5.4)</p>	<p>61(5) 1120-1124& 2008, Oxford Academic publishers</p>	<p>1460- 2091.</p>
<p>Palit P*, Mukherjee D, Mandal SC</p>	<p>Reconstituted mother tinctures of <i>Gelsemium sempervirens</i> L. improve memory and cognitive impairment in mice scopolamine- induced dementia Model</p>	<p><i>Journal of Ethnopharmacology</i> . (Impact factor - 3.7)</p>	<p>15; 159:274-84. 10.1016/j.jep.2014.0 9.008. Epub 2015 Nov 21, Elsevier publishers</p>	<p>0378- 8741</p>

Contributed Book Chapters Published in Edited Books of Reputed Publishers (Maximum 5)

Authors	Title of chapter	Name of the Book	Book details	ISBN
Partha Palit, * Subhash C. Mandal and Nirup Bikash Mandal,	Reuse of Old, Existing, Marketed Non-antibiotic Drugs as Antimicrobial Agents: a New Emerging Therapeutic Approach	Microbial pathogens and strategies for combating them: sciences, technology and Education, Vol 3	Formatex publisher Spain; 2013	978-84-942134-1-0
Partha Palit ^{1*} , Subhash C. Mandal ²	Climate Change, Geographical Location, and Other Allied Triggering Factors Modulate the Standardization and Characterization of Traditional Medicinal Plants: A Challenge and Prospect for Phyto-drug Development	Evidence Based Validation of Traditional Medicines - A Comprehensive Approach	Springer Nature Publishers, 2020	978-981-15-8126-7
Partha Palit ¹	Bioactivity-Guided Phytofractions: An Emerging Natural Drug Discovery Tool for Safe and Effective	Natural Products and Drug Discovery: An Integrated Approach	Elsevier publication, 2018	9780081020814

	Disease Management			
Rachel W Li, Partha Palit, Paul Smith, and G David Lin	Amaryllidaceae Alkaloids as Anti-inflammatory Agents Targeting Cholinergic Anti-inflammatory Pathway: Mechanisms and Prospects	Evidence Based Validation of Traditional Medicines - A Comprehensive Approach	Springer Nature Publishers,2020	ISBN 978-981-15-8126-7
Dhrubojyoti Mukherjee, Partha Palit, Shubhadeep Roychoudhury, Sukalyan K. Kundu, Subhash C. Mandal	Role of Stress in Diseases and Its Remedial Approach by Herbal and Natural Products in Stress-Related Disease Management: Experimental Studies and Clinical Reports	Natural Products and Drug Discovery: An Integrated Approach	Elsevier publication,2018	9780081020814

Peer Reviewed Publications in Proceedings of National/International Conference/Workshop/Symposium (Maximum 5)

Authors	Title of the Paper	Name of the Program and Organizer	Publisher Details	ISBN/ISSN
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Amresh Kumar, M. Dutta Choudhury, Partha Pallit*	Functional beverages of wheatgrass juice: broad spectrum application in the treatment of various diseases.	International Conference on 2018, Integrated Management of Crop Diseases University of Bhagalpur	Today and tomorrow's printers and Publisher, New Delhi, 2018:405-412.	ISBN: 81-7019-621-6
Partha Palit ¹ , Suman Talukdar ¹ , AmitKundu ² , Subhash C. Mandal ³ , Tamal Mandal, Dalia Dasgupta ⁴	Phytochemical investigations and pharmacological evaluation of the different bioactive fractions obtained from the leaves of <i>Mussaenda erythrophylla</i> and <i>Datura metel Linn</i> and biodistribution studies of fluorescent based phospholipid vesicles of their extract	An International Conference, Pharmacognosy-2013, Pharmacognosy, Phytochemistry & Natural Products; Oct 21-23; Hyderabad, India	Omics group, 2013, Vol 2; ISSUE 4	ISSN : 2167-0501

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<p>Partha Palit*, Haimanti Mandal, Subhash C.Mandal</p>	<p>Phytochemical I and pharmacologi cal studies of <i>Ziziphus oenopia</i></p>	<p>An International Conference, Pharmacognosy- 2013 ,Pharmacognosy, Phytochemistry & Natural Products; Oct 21- 23; Hyderabad, India</p>	<p>Omics group, 2013, Vol 2; ISSUE 4</p>	<p>ISSN: 2167- 0501</p>
<p>Partha Palit,Dhrubojyoti Mukherjee, Poulomi Samanta, Subhash C. Mandal Tamal Mondal.</p>	<p>Phytochemical characterizati on, anti- inflammatory and in-vitro anti-arthritic activity evaluation of hydro-alcoholic root extract of <i>Euphorbia tirucalli</i></p>	<p>An International Conference, Pharmacognosy- 2013 , Pharmacognosy, Phytochemistry & Natural Products; Oct 21- 23; Hyderabad, India</p>	<p>Omics group, 2013, Vol 2; ISSUE 4</p>	<p>ISSN: 2167- 0501</p>
<p>Partha Palit^{1*}, Joysmita Das, Srayan Sengupta, Tamal Mandal², Subhash C. Mandal, Sirshendu Roy¹</p>	<p>Phytochemical and Pharmacologi cal investigation of <i>Saccharum spontaneum</i></p>	<p>An International Conference, Pharmacognosy- 2013 , Pharmacognosy, Phytochemistry & Natural Products; Oct 21-23;Hyderabad, India</p>	<p>Omics group, 2013, Vol 2; ISSUE 4</p>	<p>ISSN: 2167- 0501</p>

