

RESUME

Prof. Bhaskar Mazumder

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 Dibrugarh, Assam, Pin # 786004. India.
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|--------------------------------|--|---|--|--|
| Education | Post Doctoral Fellowship: Oversease Associate 2012 (Dept. Of Biotechnology, Govt. Of India.) | | | |
| | Host Overseas Institute: USF College of Pharmacy, University of South Florida (Health), Florida, USA. | | | |
| | Project Topic: Developing and designing of nano carriers especially in the pulmonary and cancer therapy. | | | |
| | Ph. D | 2008 | | Jadavpur University, Kolkata. |
| M. Pharm. | 1998 | 1 st Class | | |
| PG Dip IR&PM | 1992 | | B C C M, Kolkata. (AICTE approved). | |
| B. Pharm. | 1990 | 1 st Class | Jadavpur University, Kolkata. | |
| Professional Experience | Academic: | | | |
| | Jan 2017 - Till Date | Professor [HoD from 22.04.2019 to 21.04.2022] | | Dept. of Pharmaceutical Sciences Dibrugarh University, Dibrugarh, Assam, Pin- 786004. |
| | Jan 2014- Dec 2016 | Associate Professor | | |
| | Jan 2011- Dec 2013 | Asst. Professor Gr- III | | |
| | Jan 2006- Dec 2010 | Asst. Professor Gr- II | | |
| | Nov 1999- Dec 2005 | Lecturer | | |
| | July 1998-Oct 1999 | Lecturer | | Govt. Polytechnic College, Siuri, W.B. |
| | Industrial: | | | |
| Nov1990- Mar1991 | Trg. Mfg. Chemist. | Emcee Pharmaceuticals. | (Approved CTS for the manufacture of Parenteral and Non-Parenteral Dosage Form by Directorate of Drugs Control, WB.) | |
| Apr 1991-Aug1992 | Mfg. Chemist | Caplet India Pvt. Ltd. | | |
| Sep1992- Jun 1998 | Production Officer | Dolphin India Ltd. | | |
| Projects | Principal Investigator | | | |
| | <ul style="list-style-type: none"> • Development and Evaluation of Modified Gum-Loaded Polymeric nanoparticles obtained from Lannea Coromandelica (Houtt.) Merr. for Colon Targeted Delivery using Budesonide as Model Drug AICTE [8-20/FDC/RPS(NER)/POLICY-1/2020 -21 25.0 Lakhs (Ongoing) • Solid-Lipid nanoparticle based topical delivery of anti-cancer drugs for skin cancer treatment AICTE [84/136/RIFD/MODROB/RURAL/Policy-1/2019-2012.66667 Lakhs (Ongoing) • Development of Solid Lipid Nanoencapsulated Herbal Essential Oil for Improved Topical Mosquito Repellency..... LSRB-DRDO [O/o DG(TM)/81/48222/LSRB 36.5468 Lakh (Ongoing) | | | |

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|--|---|------------------|---------------------------|--------------------------|--------------------|
| <ul style="list-style-type: none"> Nano Carriers as potential for transdermal delivery of anti-arthritis drugs..... AICTE [20/AICTE/RIFD/RPS(POLICY-1)24/2013-2014.] 20.00 Lakhs 2013-2014 (Completed) Pulmonary delivery of Nanoparticles of an antifungal agent using Nebuliser or Dry Powder Inhaler.....DBT [BCIL/NER-BPMC/2012/650]Rs 12.02 lakhs, 2012-2013 (Completed) Preparation and Evaluation of solid lipid nanoparticles of some NSAIDS for topical delivery..... UGC [37/144/2009(ASM)(SR)]..... Rs12.301 lakhs. 2009-10. (Completed) Mathematical correlation for determining the flow rate of formulation granules through conical hoppers with inclined orifice. AICTE.....[8023/BOR/RID/RPS-45/2008-09]..... Rs 19.30 lakhs. 2008-09. (Completed) | | | | | |
| Projects: Scientific Mentor/ Supervisor | | | | | |
| <ul style="list-style-type: none"> Development of vesicle containing anti-angiogenic agent to revert the retinal neovascularization in diabetic retinopathy...ICMR(2022)...Fellow(SRF): Niva Rani Gogoi.(ONGOING) Development of lycopene loaded surface engineered PLGA nanoparticles for treatment of Pancreatic ductal adenocarcinoma,.....DST Women scientist A, (2022),.....PI: Mohini Singh. (ONGOING) Development of novel vesicular carriers containing Boswellic acids and evaluation of their anti-arthritis potential DHR ICMR Young Scientist (2019) PI: Daphisha Marbaniang (ONGOING) Design and Evaluation of Lipid based Nano-scale targeted Drug delivery system for anti-tubercular drugsDST WOS-API: Ms. Paulami Pal. (COMPLETED) Regioselective layered tablets of antihypertensive drug for biphasic release: Formulation, development, characterization and optimization RGNF..... Fellow Ratna Jyoti Das (COMPLETED) Development and Evaluation of Novel Vesicular Formulation of Capsainoids obtained from 'Bhut Jolokia'. A capsicum indigenous to North East India.....ICMR..... Fellow (SRF): Khomendra Kumar Sarwa. (COMPLETED) | | | | | |
| Research Guidance | Ph D Awarded: 17 | Ph D Ongoing: 07 | Ph D Thesis Submitted: 00 | M. Pharm: 28 Ongoing: 02 | M.Sc (BioTech): 05 |
| Patent (01) | Title: Lipid nanoparticle based anti-tubercular drug composition with improved biopharmaceutical properties Patent No: 20 2023 101 497 [German Patent] Date of Application: 24.03.2023 Date of Grant: 18.04.2023 | | | | |
| Publications | <i>Research Article: 84, Review Articles: 31, Books: 02 Book, Chapters: 22, Proceeding Chapter: 01</i> | | | | |
| Professional Engagement | <ul style="list-style-type: none"> External Member, Board of Under Graduate Studies, Assam University, Silchar (Central University). Former Adjunct Faculty, Department of Pharmaceutical Sciences, Assam University, Silchar (Central University). Guest Faculty, Center for Bio Technology & Bio Informatics, Dibrugarh University, Assam. External Member: Research Advisory Board, Adamas University. External Member: Board of Studies, Department of Pharmacy, Assam down town University. External Member, Senate, Assam Professional University, Arunachal Pradesh. | | | | |

| Invited Speaker | Place |
|---|--|
| National Seminar on Novel Innovations in Biomedical Sciences | NEMCARE Group of Institutions, Shantipur, Mirza, Kamrup, Assam Date: March 14-15, 2023. |
| Pharmacology CME on Targetted Drug Delivery and Nanotechnology | Department of Pharmacology, North Lakhimpur Medical College, Assam Date: Nov 22, 2022. |
| Strengthening Partnership in Supporting the Achievement of SDGs | Faculty of Pharmacy, Universitas Airlangga, Indonesia (Online mode) Date: Oct 16, 2021. |
| AICTE sponsored online QIP STC-2 Programme | QIP Nodal Center (Pharmacy), Jadavpur University Date: Sept 11, 2021. |
| Virtual Faculty Development Programme (V-FDP) 2021 | Faculty of Pharmaceutical Science of Assam down town niversity Date: July 24, 2021. |
| National Seminar on Pharmacy & Healthcare: Traditional Knowledge to Modern Techniques | Dept. of Pharmaceutical Technology, Jadavpur University, Kolkata, WB&SERB,DST,New Delhi. Date: Sept 18, 2018. |
| Coninuing Education Programme in Pharmacy CEP-2018 (For Teachers) | Dept. of Pharmaceutical Sciences, Gurukul Kangri Vishwavidyalaya, Haridwar, Uttarakhand. Sponsored by: Pharmacy Council of India. Date: Aug 17, 2018. |

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| National Seminar on Role of Pharmaceutical Education in Public Health | Chandra Shekhar Singh College of Pharmacy, Kaushambi, Allahabad, UttarPradesh. Date: March 5, 2016. |
| Workshop on Biomedical Engineering and Biotechnology for School Students 2015 | Assam Medical College, Dibrugarh, Assam.Sponsored By: IIT Guwahati & DBT CTEP Cell, Govt. of India. Date: Feb 6-8, 2015. |
| AICTE sponsored QIP Refreshers' Course | Dept. of Pharmaceutical Sciences & Technology, BIT Meshra (Deemed University), Ranchi, Jharkhand. Date: Nov 19, 2014. |
| Nano-Bio-Cell Synergy Social: Nano Drug Delivery Symposium | College of Pharmacy, University of South Florida (Health). Florida. USA. Date: May 28, 2013. |
| AICTE sponsored QIP Refreshers' Course | Dept. of Pharmaceutical Technology, Jadavpur University, Kolkata, West Bengal. Date: July 11, 2005. |

| Year | Name of Conference (Self-attending/presenting only) | Place & Date | Participation Type |
|------|--|--|---------------------------|
| 2015 | International Conference on Harnessing the sub-Himalayan Plant Diversity for Human Welfare | Dibrugarh University March 11-13, 2015 | Presented Paper (Poster). |
| 2015 | ICMR Sponsored National Workshop on Advancements in Pharmacological Studies for Evaluating Targeted Drug Delivery System | S R S Institute of Pharmacy, Kumhari, Durg, C.G. India. 8 -9 January, 2015 | Presented Paper (Oral) |
| 2014 | 2 ND Pharm Tech IAPST International Conference 2014 on New Insights into Diseases and Recent Therapeutic Approaches | Dept. of PharmTech Jadavpur University, Jan 17 – 19 2014. | Presented Paper (Poster). |
| 2012 | Indian Science Congress (ISC-2012) | KIIT, Bhubaneswar Jan 3-7, 2012 | Presented Paper (Poster). |
| 2011 | 2nd International Conference on Advanced Nanomaterials and Nanotechnology (ICANN 2011) | IIT, Guwahati. Dec 8-10, 2011 | Presented Paper (Oral) |
| 2007 | Chemical Engineering Congress (CHEMCON 2007) | Kolkata Dec27-30, 2007 | Presented Paper (Poster) |

| Year | Name of Conference Organizing | Place & Date | Role |
|------|--|---|-----------------------------|
| 2021 | Bridging Industrial Opportunities with Academic Challenges: Prospective of Pharmaceutical Research | Dept. of Pharm. Sc. Dibrugarh University SLOT III : 28 Sept-02 Oct'21 | Coordinator |
| 2021 | Bridging Industrial Opportunities with Academic Challenges: Prospective of Pharmaceutical Research | Dept. of Pharm. Sc. Dibrugarh University SLOT II : 23 Aug -28Aug'21 | Coordinator |
| 2021 | Bridging Industrial Opportunities with Academic Challenges: Prospective of Pharmaceutical Research | Dept. of Pharm. Sc. Dibrugarh University SLOT I : 26 July-31 July'21 | Coordinator |
| 2018 | National Seminar on Natural Resources for Drug Discovery and Development | Dept. of Pharm. Sc. Dibrugarh University Feb 24-25, 2018 | Organizing Secretary |
| 2012 | International Symposium on Sustainable Public Health Practices for Good Health, Peace and Prosperity | Dept. of Pharm. Sc. Dibrugarh University Feb 24, 2012 | Convener |
| 2011 | National Seminar on Pharmacovigilance for Assuring Drug Safety | Dept. of Pharm. Sc. Dibrugarh University, Nov 26-27, 2011 | Convener |

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| Professional Membership | <ul style="list-style-type: none"> • Fellow Institution of Chemists (FIC). • Life Member of Indian Institute of Chemical Engineers (IICChE). • Life Member of Indian Pharmaceutical Association (IPA). • Life Member of Association of Pharmaceutical Teachers of India (APTI). |
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| (WBPC A-11507) | <ul style="list-style-type: none"> • Life Member of Indian Association of Pharmaceutical Scientist and Technologist (IAPST). • Life Member of Indian Science Congress Association (ISCA). • Life Member of Society for Pharmaceutical Education & Research (SPER). |
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| <u>Courses Attended</u> |
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| <ul style="list-style-type: none"> • AICTE sponsored Refresher Course on 'Future Direction of Pharmaceutical Studies and Research' Organized by Dept. of Pharmaceutical Technology, Jadavpur University, from 11th July to 24th July 2012. • AICTE sponsored Refresher Course on 'Drug Disease and Therapy: A recent Advancement' Organized by Dept. of Pharmaceutical Technology, Jadavpur University, from 12th July to 25th July 2011. • AICTE sponsored Refresher Course on 'Drug Disease and Drug Delivery Systems' Organized by Dept. of Pharmaceutical Technology, Jadavpur University, from 29th June 2010 to 26th July 2010. • AICTE sponsored Refresher Course on 'A New Pharmacy Era: Quality Initiatives and New Technologies' Organized by Dept. of Pharmaceutical Technology, Jadavpur University, from 09th July 2009 to 07th Aug 2009. • UGC-ASC Orientation Program Organized by Jadavpur University, Kolkata, from 5th July 2004 to 31st July 2004. • UGC-ASC Refresher Course on 'Recent Trends in Drug Development' Organized by Dept. of Pharmaceutical Technology, Jadavpur University, Kolkata, from 10th September to 30th September 2002. • Short Term Training Program on 'Total Quality Management' Organized by NITTTR, Kolkata, from 20.05.2005 to 24.05.2005. • Content Up gradation Program on 'Optical Communication' Organized by NITTTR, Kolkata, from 07.07. 2003 to 11.07.2003. |

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| <u>Personal Information</u> | Father's Name:Purnananda Majumder | Marital Status: Married | |
| | Mother's Name:Sadhana Majumdar | Language Known: English, Bengali, Hindi. | |
| | Date of Birth:January 16, 1968. | Nationality: Indian | Religion: Hinduism |

Publications (115)

2023 (1)

Review paper (1)

1. Mohini Singh*, Paulami Pal, Rajat Subhra Dutta, Daphisha Marbaniang, Subhabrata Ray and Bhaskar Mazumder. **Nanodiamond mediated molecular targeting in Pancreatic Ductal adenocarcinoma: Disrupting the tumor-stromal cross-talk, next hope on the horizon?** *Current Cancer Drug Targets* DOI: 10.2174/1568009623666230227120837 (Article ahead of Print) eISSN: 1873-5576 **Impact Factor: 2.907**

2022 (8)

Research Articles (2)

1. Das RJ, Pathak K, Borodoloi S, Saikia R, Alqahtani SA, Saharia J, Devi M, Mazumder. **B.Clerodendrum colebrookianum walp: An Insight into its Pharmacology, Expository Traditional Uses and Extensive Phytochemistry.** *Current Traditional Medicine.* 2022 June, DOI: 10.2174/2215083808666220623112606, eISSN: 2215-0846 (Article ahead of Print)

2. Chanu NR ,Bhattacharya K, Marbaniang D, Pal P, Ray S, Mazumder B. **Evaluation of a novel melatonin-loaded gelatin sponge as a wound dressing.** *Journal of Vascular Nursing.* 2022 Mar 1;40(1):2-10, DOI: 10.1016/j.jvn.2021.09.004,eISSN: 1062-0303

Review paper (6):

1. Singh M, Pal P, Dutta RS, MarbaniangD, Ray S, Mazumder B. **Nanodiamond Mediated Molecular Targeting in Pancreatic Ductal Adenocarcinoma:Disrupting The Tumor-Stromal Cross-Talk Next Hope On The Horizon.***Current Cancer Drug Targets*; 2022December, eISSN: 1873-5576 (Article ahead of Print) **Impact Factor: 2.907**
2. Jana BK, Singh M, Dutta RS, Mazumder B. **Current Drug Delivery Strategies for Buccal Cavity Ailments using Mouth Dissolving Wafer Technology: A Comprehensive Review on the Present State of the Art.***Current Drug Delivery*.2022November,DOI: 10.2174/1567201820666221128152010, eISSN:1875-5704**Impact Factor:3.758**
3. Gogoi NR, Marbaniang D, Pal P,Ray S, Mazumder B.**Targeted Nanotherapies for The Posterior Segment of The Eye: An Integrative Review on Recent Advancements and Challenges.** *Pharmaceutical Nanotechnology*.2022August, DOI:10.2174/2211738510666220806102612, eISSN:2211-7393
4. Marbaniang D, Das AK, Pal P, Gogoi NR, Saikia A, Ray S, Mazumder B.**Novel delivery technologies: Triggering the Biopharmaceutical potential of Boswellic acids.***The Natural Products Journal*.2022June, DOI: 10.2174/2210315512666220630105018,eISSN: 2210-3163
5. Dutta RS, Sahu S, Mazumder B. **A Review on Bioactive Constituents of Essential Oils as Mosquito Repellent.** *Current Bioactive Compounds*. 2022 Jun 1;18(5):2-12, DOI: 10.2174/1573407218666211231124107, eISSN: 1875-6646. **Impact Factor: 1.309**
6. Singh M, Mazumder B. **Recent Advancements in Nanodiamond Mediated Brain Targeted Drug Delivery and Bioimaging of Brain Ailments: A Holistic Review.** *Pharmaceutical Nanotechnology*.2022 Feb 1;10(1):42-55.DOI: 10.2174/2211738510666211222111938, eISSN:2211-7393

2021 (5)

Research Articles (4)

1. Chakrabarti S, Mazumder B, Rajkonwar J, Pathak MP, Patowary P, Chattopadhyay P. **bFGF and collagen matrix hydrogel attenuates burn wound inflammation through activation of ERK and TRK pathway.** *Scientific reports*. 2021 Feb 8;11(1):1-0.DOI: 10.1038/s41598-021-82888-9. eISSN: 2045-2322 **Impact Factor: 4.379**
2. Kumar V, Mazumder B, Sharma PP, Ahmed Y. **Pharmacokinetics and hypoglycemic effect of gliclazide loaded in Isabgol husk mucilage microparticles.** *Journal of Pharmaceutical Investigation*.2021 Mar;51(2):159-71.DOI: 10.1007/s40005-020-00494-9, eISSN: 2093-6214**Impact Factor: 5.239**
3. Sharma VK, Sharma PP, Mazumder B, Bhatnagar A, Subramaniyan V, Fuloria S, Fuloria NK. **Mucoadhesive microspheres of glutaraldehyde crosslinked mucilage of Isabgol husk for sustained release of gliclazide.** *Journal of Biomaterials Science, Polymer Edition*.2021 Jul 24;32(11):1420-49.DOI: 10.1080/09205063.2021.1925389,eISSN: 1568-5624**Impact Factor: 3.517**
4. Joshi K, Mazumder B, Chattopadhyay P, Goyary D, Das M, Dwivedi SK. **Exploring the frostbite healing potential of hyaluronic acid based hydrogel of Manuka honey through in-silico antithrombotic and anti-platelet studies of major phytoconstituents and in-vivo evaluation in Wistar rat model.** *Drug Development and Industrial Pharmacy*. 2021 Aug 3;47(8):1326-34.DOI:10.1080/03639045.2021.1989459, eISSN: 1520-5762 **Impact Factor: 3.727**

Review Article (1)

1. Das A, Saikia R, Mazumder B. **Anti-arthritis potential of diversified herbal plants across the world: a review**, *World Journal of Pharmaceutical Research*.2021July;9 (4): 320-333, DOI:10.20959/wjpr20204-17043, ISSN: 2277– 7105

2020 (5)

Research Articles (3)

1. Bera H, Abbasi YF, Ping LL, Marbaniang D, Mazumder B, Kumar P, Tambe P, Gajbhiye V, Cun D, Yang M. **Erlotinib-loaded carboxymethyl tamarind gum semi-interpenetrating nanocomposites**. *Carbohydrate polymers*. 2020 Feb 15;230:115664. DOI: 10.1016/j.carbpol.2019.115664, eISSN: 0144-8617 **Impact Factor: 10.723**

2. Rajak P, Nath LK, Mazumder B. **Evaluation of pH responsive flipping mechanism of 5-fluorouracil loaded LLC system for colon targeting**. *Journal of Pharmaceutical Innovation*.2021 Mar;16(1):99-109.DOI: 10.1007/s12247-019-09425-0, eISSN 1872-5120 **Impact Factor: 2.538**

3. Bhattacharjee A, Das PJ, Dey S, Nayak AK, Roy PK, Chakrabarti S, Marbaniang D, Das SK, Ray S, Chattopadhyay P, Mazumder B. **Development and optimization of besifloxacin hydrochloride loaded liposomal gel prepared by thin film hydration method using 32 full factorial design**. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*.2020 Jan 20;585:124071. DOI: 10.1016/j.colsurfa.2019.124071,eISSN: 0927-7757**Impact Factor: 5.518**

Review Article (2)

1. Joshi K, Goyary D, Mazumder B, Chattopadhyay P, Chakraborty R, Bhutia YD, Karmakar S, Dwivedi SK. **Frostbite: Current status and advancements in therapeutics**. *Journal of Thermal Biology*. 2020 Oct 1;93:102716.DOI: 10.1016/j.jtherbio.2020.102716, eISSN: 0306-4565**Impact Factor: 3.189**

2. Gupta M, Dey S, Marbaniang D, Pal P, Ray S, Mazumder B. **Grape seed extract: Having a potential health benefits**. *Journal of food science and technology*. 2020 Apr;57(4):1205-15. DOI: 10.1007/s13197-019-04113, eISSN: 0975-8402 **Impact Factor: 3.117**

2019(8):

Research Articles (6)

1. Bora NS, Mazumder B, Patowary P, Kishor S, Bhutia YD, Chattopadhyay P, Dwivedi SK. **Formulation development and accelerated stability testing of a novel sunscreen cream for ultraviolet radiation protection in high altitude areas**. *Drug Development and Industrial Pharmacy*. 2019 May 22.DOI: 10.1080/03639045.2019.1616750,eISSN: 1520-5762 **Impact Factor: 3.727**

2. Bora NS, Mazumder B, Mandal S, Bhutia YD, Das S, Karmakar S, Chattopadhyay P, Dwivedi SK. **Protective effect of a topical sunscreen formulation fortified with melatonin against UV-induced photodermatitis: An immunomodulatory effect via NF- κ B suppression**. *Immunopharmacology and Immunotoxicology*. 2019 Jan 2;41(1):130-9.DOI: 10.1080/08923973.2019.1566358, eISSN: 1532-2513 **Impact Factor: 3.712**

3. Krishnatreyya H, Dey S, Pal P, Das PJ, Sharma VK, Mazumder B. **Piroxicam Loaded Solid Lipid Nanoparticles (SLNs): Potential for Topical Delivery**. *Indian Journal of Pharmaceutical Education and Research*.2019 Apr 1;53(2):82-92.DOI:10.5530/ijper.53.2s.52, eISSN: 0019-5464. **Impact Factor: 0.843**

4. Marbaniang D, Das RJ, Pal P, Saikia A, Pathak MP, Ray S, Mazumder B. **Extended release floating microballoons containing Clerodendrum colebrookianum extract: In vitro in vivo evaluation.** *Indian Journal of Pharmaceutical Education and Research.* 2019 Jul 1;53(3):5246-4. DOI: 10.5530/ijper.53.3s.94, eISSN: 0019-5464 **Impact Factor: 0.843**

5. Sharma VK, Mazumder B, Nautiyal V, Sharma PP, Ahmed Y. **In vitro Characterization of Microspheres Containing Chemically Cross-Linked Gummy Exudates of Cochlospermum religiosum.** *The Natural Products Journal.* 2019 Sep 1;9(3):217-28. DOI: 10.2174/2210315508666181004144520, eISSN: 2210-316

6. Das RJ, Marbaniang D, Mazumder B. **Extraction, Phytochemical evaluation and characterization of polyphenols and flavonoids from aqueous methanolic leaf extracts of indigenous plant *Clerodendrum colebrookianum* Walp and *Centella asiatica* Linn of North East India.** *European Journal of Pharmaceutical and Medical Research,* 2019 Jan, 6(2), 367-373, eISSN: 2394-3211.

Review Article(2)

1. Joshi K, Mazumder B, Chattopadhyay P, Bora NS, Goyary D, Karmakar S. **Graphene family of nanomaterials: Reviewing advanced applications in drug delivery and medicine.** *Current Drug Delivery.* 2019 Mar 1;16(3):195-214. DOI: 10.2174/1567201815666181031162208, eISSN: 1875-5704

Impact Factor: 3.758

2. Chakrabarti S, Chattopadhyay P, Islam J, Ray S, Raju PS, Mazumder B. **Aspects of nanomaterials in wound healing.** *Current drug delivery.* 2019 Jan 1;16(1):26-41. DOI: 10.2174/1567201815666180918110134, eISSN: 1875-5704 **Impact Factor: 3.758**

2018 (4):

Research Articles(2)

1. Chakrabarti S, Islam J, Hazarika H, Mazumder B, Raju PS, Chattopadhyay P. **Safety profile of silver sulfadiazine-bFGF-loaded hydrogel for partial thickness burn wounds.** *Cutaneous and ocular toxicology.* 2018 Jul 3;37(3):258-66. DOI: 10.1080/15569527.2018.1442843, eISSN: 1556-9535

Impact Factor: 1.9742. PalP, AdhikaryP, Ray S, Das P, Marbaniang D, Das AK, Mazumder B. **Development and comparison of hydrophobic drug loaded NLC, SLN and LDC nanoparticle for treatment of pulmonary tuberculosis.** *World Journal of Pharmacy and Pharmaceutical Sciences.* 2018 July;7(8):1270-1287, DOI: 10.20959/wjpps2018812168, eISSN: 2278-4357

Review Articles/Articles (2)

1. Bhattacharjee A, Das PJ, Adhikari P, Marbaniang D, Pal P, Ray S, Mazumder B. **Novel drug delivery systems for ocular therapy: With special reference to liposomal ocular delivery.** *European journal of ophthalmology.* 2019 Jan;29(1):113-26. DOI: 10.1177/1120672118769776, eISSN: 1724-6016

Impact Factor: 1.922

2. Bora NS, Mazumder B, Chattopadhyay P. **Prospects of topical protection from ultraviolet radiation exposure: a critical review on the juxtaposition of the benefits and risks involved with the use of chemoprotective agents.** *Journal of Dermatological Treatment.* 2018 Apr 3;29(3):256-68. DOI: 10.1080/09546634.2017.1364691, eISSN: 0954-6634 **Impact Factor: 3.230**

2017 (6):

Research Articles: (5)

1. Bora NS, Pathak MP, Mandal S, **Mazumder B**, Policegoudra R, Raju PS, Chattopadhyay P. **Safety assessment and toxicological profiling of a novel combinational sunprotective dermal formulation containing melatonin and pumpkin seed oil.** *Regulatory Toxicology and Pharmacology*. 2017 Oct 1; 89:1-2. DOI: 10.1016/j.yrtph.2017.07.004, ISSN: 0273-2300 **Impact Factor: 3.598**
2. Dutta PP, Bordoloi M, Gogoi K, Roy S, Narzary B, Bhattacharyya DR, Mohapatra PK, **Mazumder B**. **Antimalarial silver and gold nanoparticles: Green synthesis, characterization and in vitro study.** *Biomedicine & Pharmacotherapy*. 2017 Jul 1; 91:567-80. DOI: 10.1016/j.biopha.2017.04.032, ISSN:0753-3322**Impact Factor: 7.419**
3. Dasgupta S, Ray S, Dey S, Pal P, **Mazumder B**. **Transdermal Lipid Nanocarriers: A Potential Delivery System for Lornoxicam.** *Pharmaceutical Nanotechnology*. 2017 Mar 1;5(1):32-43. DOI: 10.2174/2211738505666170105161336, ISSN:2211-7393.
4. Sarwa KK, **Mazumder B**, Rudrapal M. **Effect of extraction methods and long term storage on capsaicinoids content of Bhut Jolokia fruits.** *Indian Journal of Natural Products and Resources [Formerly Natural Product Radiance]*. 2017 Sep 5;8(1):69-77. DOI: 10.56042/ijnpr.v8i1.11938, ISSN:0976-0512.
5. Rajkumari A, **Mazumder B**, Katakai MS, Pal P. **Preparation and Characterization of PLGA Nanoparticles using Soluplus® as a Surfactant.** *World Journal of Pharmacy and Pharmaceutical Sciences*. 2017 Nov; 6(12): 629-641, DOI:10.20959/wjpps201712-10521, ISSN:2278-4357.

Review Articles/Articles (1)

1. Adhikari P, Pal P, Das AK, Ray S, Bhattacharjee A, **Mazumder B**. **Nano lipid-drug conjugate: An integrated review.** *International journal of pharmaceutics*. 2017 Aug 30;529(1-2):629-41. DOI:10.1016/j.ijpharm.2017.07.039, ISSN: 0378-5173**Impact Factor: 6.510**

2016 (3):

Research Articles(3)

1. Bharadwaj R, Das PJ, Pal P, **Mazumder B**. **Topical delivery of paclitaxel for treatment of skin cancer.** *Drug development and industrial pharmacy*. 2016 Sep 1;42(9):1482-94. DOI:10.3109/03639045.2016.1151028, ISSN: 1520-5762 **Impact Factor: 3.727**
2. Kumar Sarwa K, **Mazumder B**, K Suresh P, Deep Kaur C. **Topical analgesic nanolipid vesicles formulation of capsaicinoids extract of bhut jolokia (Capsicum chinense Jacq): Pharmacodynamic evaluation in rat models and acceptability studies in human volunteers.** *Current drug delivery*. 2016 Dec 1;13(8):1325-38. ISSN: 1875-5704 **Impact Factor:3.758**
3. Dasgupta S, Dey S, Pal P, **Mazumder B**. **RP-HPLC method development, validation, and quantification of lornoxicam in lipid nanoparticle formulations.***International Journal of Pharmacy and Pharmaceutical Sciences*. 2016 Nov,8(11):152-158, DOI:10.22159/ijpps.2016v8i11.14256, ISSN:0975-1491

2015 (13):

Research Articles(12)

1. Das PJ, Paul P, Mukherjee B, **Mazumder B**, Mondal L, Baishya R, Debnath MC, Dey KS. **Pulmonary delivery of voriconazole loaded nanoparticles providing a prolonged drug level in lungs: a promise for treating fungal infection.** *Molecular pharmaceutics*. 2015 Aug 3;12(8):2651-64. DOI: 10.1021/acs.molpharmaceut.5b00064, ISSN: 1543-8384 **Impact Factor: 5.364**

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