


Name:	Dr. Gopa Roy Biswas
Photograph:	
Experience:	17 years of teaching
Books/ Chapter published:	<p>2019:</p> <p>Biswas Majee, S., Avlani, D. and Roy Biswas, G. (2019). Molecular modification of marine sulfated polysaccharides. In Enzymatic Technologies for Marine Polysaccharides. Boca Raton : CRC Press, Taylor and Francis.</p> <p>2015: Biswas Majee, S., Rana, BC and Roy Biswas, G.(2015). Eudragit RS 100 microspheres of a topical antifungal drug. LAP LAMBERT Academic Publishing, OmniScriptum GmbH & Co. KG, Germany(ISBN : 978-3-659-75451-7).</p> <p>Biswas Majee, S., Majee , NC and Roy Biswas, G.(2015). Combination of CT scan and radioimmunoscinigraphy in diagnosis and prognosis of colorectal cancer. Lecture Notes in Bioengineering-Advancements of Medical Electronics-Proceedings of the First International Conference, published by Springer India (DOI : 10.1007/978-81-322-2256-9)(ISSN 2195-2728[electronic])(ISBN 978-81-322-2256-9[e-book]) (Editors Somsubhra Gupta, Sandip Bag, Karabi Ganguly, Indranath Sarkar and Papun Biswas),pp 67-74.</p> <p>Biswas Majee, S. Roy Biswas, G. and Karmakar, D. (2015). Multimodal approach against cancer using selenium and gadolinium nanoparticles. in Nanotechnology-Novel Perspectives and Prospects(Eds Bhupinder Singh, Anupama Kaushik, S K Mehta, S K Tripathi-McGraw Hill Education (India) Pvt Ltd, New Delhi ,pp919-924(Print Edition ISBN(13): 978-93-392-2109-6; ISBN(10): 93-392-2109-5; e-BOOK Edition ISBN(13): 978-93-392-2182-9; ISBN(10): 93-392-2182-6.</p> <p>2014:</p> <p>Biswas Majee, S. and Roy Biswas, G.(2014). Book Chapter entitled “Unearthing the Complexities of Mathematical Modeling of Infectious</p>

	<p>Disease Transmission Dynamics” <i>In Trends in Infectious Diseases</i>, edited by Shailendra K. Saxena, InTech Open Access pp. 183-206.</p> <p>2012:</p> <ol style="list-style-type: none"> 1. Roy Biswas, G., Biswas, S. and Biswas Majee, S.(2012). Enhancing the bucco-adhesive potential of a cellulose derivative by a plant derived gum, gum karaya. LAP LAMBERT Academic Publishing GmbH & Co. KG, Germany((ISBN : 978-3-659-16600-6). 2. Biswas Majee, S., Roy Biswas, G and Mana, S..(2012). Insight into natural gums as release modulators in drug delivery systems. LAP LAMBERT Academic Publishing GmbH & Co. KG, Germany (2012) (ISBN 978-3-659-16111-7) https://www.lap-publishing.com/catalog/details//store/gb/book/978-3-659-16111-7/insight-into-natural-gums-as-release-modulators.
<p>Papers published:</p>	<p>2020:</p> <ol style="list-style-type: none"> 1. Gopa Roy Biswas*, Simran Shaw, Parna Pati, Sutapa Biswas Majee, Study of Physico Mechanical Properties of Buccal Patches Along with the Permeation of Loaded Antihypertensive Drug, <i>International Journal of Modern Pharmaceutical Research</i>, 2020, 4(1), 84-89. 2. Gopa Roy Biswas*, Sayantan Bhattacharya, Poulami Ghoshal and Sutapa Biswas Majee, Fabrication Of Microsponge As Drug Delivery Of An Antihypertensive Drug, <i>European Journal Of Pharmaceutical And Medical Research</i>, 2020,7(2), 423-430. 3. Sujayita Mazumder, Gopa Roy Biswas, Sutapa Biswas Majee, APPLICATIONS OF NANOROBOTS IN MEDICAL TECHNIQUES, <i>IJPSR</i>, Vol 11, issue 7, July 2020, 3150-3159.
	<p>2019</p> <ol style="list-style-type: none"> 1. Roy Biswas, G., Ghosh, D. and Biswas Majee, S. (2019). Effect of cellulosic polymer on physico mechanical properties of superporous hydrogel of an antihypertensive drug and drug release kinetics from it. <i>Int J Appl Pharm</i>, 11(5), 257-263. 2. Mukherjee, S., Ash, D., Biswas Majee, S. and Roy Biswas, G.(2019). Studies on Span based soy-bigels with HPMC. <i>Res J Pharm Tech</i>, Accepted for publication. 3. Ash, D., Biswas Majee, S. and Roy Biswas, G.(2019). Soybean oil-HPMCK15M based oleohydrogel hybrid: novel approach to improve drug release. <i>J Pharm Sci Res</i>, 11(5), 1796-1802.

	<ol style="list-style-type: none"> 4. Mukherjee, S., Biswas Majee, S. and Roy Biswas, G.(2019). Comparative study of Span 40 and Span 60 based soy-gels for topical drug delivery. <i>Asian J Pharm Clin Res</i> 12 (6), 259-65. 5. Ash, D., Biswas Majee, S. and Roy Biswas, G.(2019). Span 40/Tween 80-based soybean oleogels: Modeling of gelation kinetics and drug release. <i>Int J Pharm Sci Res</i>, 10(10), 1000-09. (Article in Press). 6. Ash, D., Ghosh, P., Biswas Majee, S. and Roy Biswas, G.(2019). Hibiscus leaf mucilage as stabilizer for pharmaceutical disperse systems. <i>Int J Appl Pharm</i>, 11(Spl. 2), 6-11. 7. Mukherjee, S., Avlani, D., Biswas Majee, S. and Roy Biswas, G.(2019). Physicochemical and pharmaceutical characterization of mucilage from sweet basil seed. <i>Int J Appl Pharm</i>, 11(Spl. 2), 12-17. 8. Avlani, D., Agarwal, V., Khattry, V., Roy Biswas, G. and Biswas Majee, S.(2019). Exploring properties of sweet basil seed mucilage in development of pharmaceutical suspensions and surfactant-free stable emulsions. <i>Int J Appl Pharm</i>, 11(1), 124-29.
	<p>2018</p> <ol style="list-style-type: none"> 1. Biswas Majee, S., Avlani, D., Ghosh, P. and Roy Biswas, G.(2018). Absorption, distribution, metabolism and elimination (ADME) and toxicity profile of marine sulfated polysaccharides used in bionanotechnology. <i>Afr J Pharm Pharmacol</i> 12(1), 1-10. 2. Biswas Majee, S., Avlani, D., Ghosh, P. and Roy Biswas, G.(2018). Therapeutic and pharmaceutical benefits of native and modified plant pectin. <i>J Med Plants Res</i> 12(1), 1-6.
	<p>2017</p> <ol style="list-style-type: none"> 1. Agarwal, V., Khattry, A., Roy Biswas, G. and Biswas Majee, S. (2017). Protein and peptide drug delivery: By noninvasive technology. <i>Res J Pharm Biol Chem Sci</i> 8(6), 470-76. 2. Biswas Majee, S., Avlani, D., and Roy Biswas, G.(2017). Rheological behavior and pharmaceutical applications of bacterial exopolysaccharides. <i>J Appl Pharm Sci</i> 7(9), 224-32. 3. Biswas Majee, S., Avlani, D., and Roy Biswas, G.(2017). HPMC as capsule shell material: physicochemical, pharmaceutical and biopharmaceutical properties. <i>Int J Pharm Pharm Sci</i> 9(10), 1-6.

	<ol style="list-style-type: none"> 4. Roy Biswas, G. and Biswas Majee, S. (2017). Niosomes in ocular drug delivery. <i>Eur J Pharm Med Res</i> 4(7), 813-19. 5. Biswas Majee, S. and Roy Biswas, G.(2017). Computational methods in preformulation study for pharmaceutical solid dosage forms of therapeutic proteins. <i>Phy Sci Rev</i> 2(6), Published Online: 2017-06-20 DOI: https://doi.org/10.1515/psr-2017-0007 ISSN (Online) 2365-659X, ISSN (Print) 2365-6581 (Published by De Gruyter; Ed. by Giamberini, Marta / Jastrzab, Renata / Liou, Juin J. / Luque, Rafael / Nawab, Yasir / Saha, Basudeb / Tylkowski, Bartosz / Xu, Chun-Ping). 6. Biswas Majee, S., Avlani, D., and Roy Biswas, G.(2017). Pharmacological, pharmaceutical, cosmetic and diagnostic applications of sulfated polysaccharides from marine algae and bacteria. <i>Afr J Pharm Pharmacol</i> 11(5), 68-77.
	<p>2016</p> <ol style="list-style-type: none"> 1. Biswas Majee, S., Khattry, V., Agarwal, V. and Roy Biswas, G. and (2016). Polyphenols derived from four indigenous Indian fruits for cancer chemoprevention and chemotherapy. <i>J Med Plants Res</i> 10(46), 838-47. 2. Roy Biswas, G., Biswas Majee, S. and Roy, A. (2016). Combination of synthetic and natural polymers in hydrogel: An impact on drug permeation. <i>J Appl Pharm Sci</i> 6(11), 158-64. 3. Biswas Majee, S., Avlani, D., and Roy Biswas, G.(2016). Non-starch plant polysaccharides : physicochemical modifications and pharmaceutical applications. <i>J Appl Pharm Sci</i> 6(10), 234-41. 4. Majumder T., Roy Biswas, G. and Biswas Majee, S. .(2016). Hydroxy propyl methyl cellulose: Different aspects in drug delivery. <i>J Pharm Pharmacol</i> 4, 381-85. 5. Avlani, D., Biswas Majee, S. and Roy Biswas, G.(2016). Magnet-guided nanovectors as agents for magnetofection in therapeutic management of solid tumors. <i>World J Pharm Res</i> 5 (7), 469-87.

	<p>2015</p> <ol style="list-style-type: none"> 1. Biswas Majee, S. and Roy Biswas, G.(2015). Insight into control architecture of skin pathology and skin penetration by mathematical modeling : An introduction for non-mathematicians. <i>Asian J Appl Sci</i> 3(1), 40-49. 2. Biswas Majee, S. and Roy Biswas, G.(2015). Challenges to behavior and scale-up of the process of lyophilisation of pharmaceuticals. <i>World J Pharm Res</i> 4(3), 371-86. 3. Roy Biswas, G. and Biswas Majee, S. (2015). Modeling of drug-diffusion kinetics of amoxicillin trihydrate from buccal tablets. <i>Int J Pharm Bio Sci</i> 6(2) 859-66. 4. Roy Biswas, G., Chakraborty S., Ghosh, N. and Biswas Majee, S. (2015). Fabrication of bucco-matrix tablets of Amoxicillin trihydrate on the basis of release and permeation kinetics. <i>J Appl Pharm Sci.</i> 5(4) 48-52. 5. Roy Biswas, G. and Biswas Majee, S. (2015). Modeling of drug-diffusion kinetics of amoxicillin trihydrate from buccal tablets. <i>Int J Pharm Bio Sci</i> 6(2) 859-66. 6. Roy Biswas, G., Chakraborty S., Ghosh, N. and Biswas Majee, S. (2015). Fabrication of bucco-matrix tablets of Amoxicillin trihydrate on the basis of release and permeation kinetics. <i>J Appl Pharm Sci.</i> 5(4) 48-52.
	<p>2014</p> <ol style="list-style-type: none"> 1. Roy Biswas, G., Biswas Majee, S. and Saha, SM.(2014). HPMCK4M and gum karaya: Influence on release mechanism of carvedilol phosphate from buccoadhesive tablets. <i>World J Pharm Res</i> 3(9) 850-61. 2. Roy Biswas, G., Biswas, S. and Biswas Majee, S.(2014). Development and evaluation of buccal mucoadhesive patches of diclofenac potassium. <i>Int. J. Pharm. Sci. Rev. Res.</i> 29(2), 111-15. 3. Roy Biswas, G., Das, U. and Biswas Majee, S.(2014). Gum Karaya : A release modifier employed in the formulation of matrix granules containing amoxicillin trihydrate as a model drug. <i>Int. J. Res. Pharm. Sci.</i> 5(2), 124-31. 4. Biswas Majee, S., Das, U. and Roy Biswas, G.(2014). Mixed order drug release kinetics induced by L-HPC LH-11: a new frontier in improved dissolution behavior of solid dispersion tablets of a BCS class 2 drug. <i>Res J Pharm Biol Chem Sci</i> 5(5), 1404-15. 5. Biswas Majee, S., Karmakar, D., Ghosh, N. and Roy Biswas, G.(2014). Fabrication and characterisation of plant mucilloid-based non-

	<p>effervescent expandable gastroretentive drug delivery system. <i>Latin American J Pharmacy</i> 33(8), 1357-62.</p> <ol style="list-style-type: none"> 6. Roy Biswas, G., Biswas Majee, S. and Saha, SM.(2014). Exploring the effect of polyox on the release kinetics of a model antihypertensive drug from a cellulose derivative based buccal patch. Research and Reviews: Journal Of Pharmacy and Pharmaceutical Sciences 3(2), 24-31. 7. Roy Biswas, G., Chakraborty, S., Das, U. and Biswas Majee, S. (2014). Insight into the release kinetics of amoxicillin trihydrate from buccoadhesive tablets with a natural gum. <i>Res J Pharm Biol Chem Sci</i> 5(3), 772-86. 8. Das, U., Roy Biswas, G. and Biswas Majee, S. (2014). Discriminating power of dissolution medium in comparative study of solid dispersion tablets of Biopharmaceutics Classification System class 2 drug. <i>Afr. J. Pharm. Pharmacol</i> 8(15), 408-12. 9. Biswas Majee, S., Mitra, I. and Roy Biswas, G.(2014). Influence of excipient combination on release kinetics from solid dispersion tablets of a model BCS Class II drug. <i>Res J Pharm Biol Chem Sci</i> 5(3), 1209-21.
	<p>2013</p> <p>Biswas Majee, S. and Roy Biswas, G.(2013). Exploring plant lectins in diagnosis, prophylaxis and therapy. J. Med. Plants Res. 7(47), 3444-51.</p>
	<p>2011</p> <p>Gopa Roy Biswas , Subhasis Maity, SOLUBILITY ENHANCEMENT OF POORLY WATER SOLUBLE DRUG AMOXYCILLIN TRIHYDRATE BY MODIFIED GUM KARAYA USING SOLID DISPERSION TECHNIQUE, International Journal of Drug Formulation & Research Jan-Feb. 2011, Vol. 2 , No.1, pp.235-249.</p>
	<p>2006-2010</p> <ol style="list-style-type: none"> 1. N.Damodharan, Gopa Roy, Soma Ghosh, and Biswajit Mukherjee, "Skin-permeation of Rosiglitazone from Transdermal Matrix Patches Based on Pressure Sensitive Adhesive Polymers: In Vitro and In Vivo study", <i>Pharmaceutical Technology</i>, 2010, pp.56-72.

	<ol style="list-style-type: none"> 2. Gopa Roy, Soma Ghosh , Biswadip Sinha and Biswajit Mukherjee, In vivo evaluation and the stability study of the formulation ‘Denticap’ intended for local application to relieve dental pain, International Journal of Pharmaceutical Science and Technology, 2009,Vol.3, No.2, pp.18-24. 3. Biswajit Mukherjee · Gopa Roy · Kousik Santra · Basudev Sahana, Lactide-glycolide polymers as nano-dimensional carriers for drugs, International Journal of Biomedical Nanoscience and Nanotechnology, 01/2010; 1(2). DOI:10.1504/IJBNN.2010.034653. 4. B Mukherjee , S Mahapatra , S Das , G Roy, S Dey, HPLC detection of plasma concentrations of diclofenac in human volunteers administered with povidone-ethylcellulose-based experimental transdermal matrix-type patches, Methods and Findings in Experimental and Clinical Pharmacology 07/2006; 28(5):301-6. DOI:10.1358/mf.2006.28.5.1000338 5. Soma Ghosh , Gopa Roy, Biswajit Mukherjee, Dental Mold: A Novel Formulation to Treat Common Dental Disorders, AAPS PharmSciTech 02/2009; 10(2):692-702. DOI:10.1208/s12249-009-9255-9. 6. Biswajit Mukherjee , Gopa Roy , Soma Ghosh , Development of Denticap, a Matrix Based Sustained Release Formulation for Treatment of Toothache, Dental Infection and Other Gum Problem, Current Drug Delivery 05/2009; 6(2):199-207. DOI:10.2174/156720109787846270
Conference Proceedings:	<p>2019:</p> <ol style="list-style-type: none"> 1. Gopa Roy Biswas *, Debolina Roy, Sutapa Biswas Majee, SUPERPOROUS HYDROGEL: A NOVEL APPROACH AS GASTRORETENTIVE DRUG DELIVERY, 3rd Pharm. Tech. IAPST International Conference on 19th and 20th January 2019 <p>2016:</p> <ol style="list-style-type: none"> 1. Gopa Roy Biswas, Sutapa Biswas Majee, Mathematical modeling of pore formers based osmotic drug delivery, National seminar on Application of Mathematics in Technology and Management (NSAMTM), Narula Institute of Technology, September 8-9, 2016.

2015:

1. **Gopa Roy Biswas**, Animikh Roy, Sutapa Biswas Majee, Correlations between Viscosity of Diclofenac Potassium loaded hydrogel preparations with permeability coefficient of Pork skin, **National Conference on Mathematical and Theoretical Biology, Jadavpur University and Biomathematical Society of India, 2015**

2014:

2. **Gopa Roy Biswas** and **Sutapa Biswas Majee**, Exploring the Biomedical, Biotechnological and Pharmaceutical Application of an Exopolysaccharide, International Seminar On "MOLECULAR BIOLOGY AND ITS APPLICATIONS" 14th & 15th February, 2014, Jadavpur University, Kolkata.
3. **Sutapa Biswas Majee** and **Gopa Roy Biswas**, Lectins as disease markers, International Seminar On International Seminar On "MOLECULAR BIOLOGY AND ITS APPLICATIONS" 14th & 15th February, 2014, Jadavpur University, Kolkata.
4. **Gopa Roy Biswas ***, Subhasis Chakrabarty, Nabarun Ghosh, Sutapa Biswas Majee, **RELEASE AND PERMEATION KINETICS OF A MODEL ANTIBIOTIC FROM HPMC-CARBOPOL BASED BUCCOADHESIVE MATRIX TABLETS**, ISDNDD, Lucknow, 2014.
5. **Gopa Roy Biswas ***, Nabarun Ghosh, Sutapa Biswas Majee, **Fabrication of oral controlled release matrix tablets with a combination of biocompatible polymers**, **BIOMATERIALS**, Delhi, 2014.
6. **Gopa Roy Biswas***, Sutapa Biswas Majee, **MODELING OF DRUG-DIFFUSION KINETICS FROM BUCCAL TABLETS**, JU. Maths dept, 2014, (19th-20th November)

2013:

1. **Roy Biswas, G.**, Saha, SM. and Biswas Majee, S. (2013). Modification of release kinetics of a model drug from HPMC based matrix patches. Conference Proceedings of **Indian Conference on Applied Mechanics (INCAM)**(ISBN 978-93-5137-273-8).
2. Biswas Majee, S., Das, U. and **Roy Biswas, G.**(2013). High-functionality excipient promotes drug release from tablet. Conference Proceedings of **Indian Conference on Applied Mechanics (INCAM)**(ISBN 978-93-5137-273-8).

