Dr. Saurabh Bhatia

Associate Professor

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مركز أبحاث العلوم الطبيعية والطبية

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موقع المكتب: ....

يعمل في الجامعة: منذ 2021

الحالة الاجتماعية: ...

Dr. Saurabh Bhatia is a pharmaceutical biologist with almost 14 years of research and academic experience in a multitude of transdisciplinary research related to pharmaceutical and food sciences. In his role as an Associate Professor in the NMSRC at University of Nizwa, he is working in a team with an objective to encourage research in biopolymers based thin films. He holds dual expertise in Pharmaceutical and Food sciences to explore potential of biopolymers based composite materials especially edible films, coating materials, bioadhesive, transdermal and sublingual films. He has earned his Ph.D. Degree (2015) in pharmaceutical technology from Jadavpur University, Kolkata. His current area of interest research lies in the field of applied polymeric chemistry or material science more specifically based on development, characterization and biological assessment of biopolymer based composite films for food packaging (edible films/coating materials) and biomedical (bioadhesive/sublingual films) applications. To date, his research has resulted in more than 110 peer-reviewed publications in various recognized pharmaceutical and food journals of high repute and authored 11 books with several international publishers. He is serving different editorial roles in Frontiers in Nutrition, Plos One Open Access Journal, Frontiers in Materials, Journal of Food quality and .many others

المؤهلات الأكاديمية

PhD، Jadavpur University، 2015، Exploration of Extensive Class of Polysaccharides to Increase the Quality of Pharmaceuticals

Masters in Pharmaceutical Sciences ، Bharati Vidyapeeth Deemed University Deemed university in Pune, India، 2009، Phytochemical, Pharmaceutical and Pharmacological Studies on Porphyra vietnamensis

أنشطة التدريس

Pharmacognosy ، 2008-2021

Pharmaceutical Microbiology ، 2017-21

Pharmaceutical Biology ، 2009-2021

Pharmaceutical Biotechnology ، 2010-2018

Novel drug delivery systems ، 2015-2017

Plant tissue culture science ، 2013-17

Pathophysiology ، 2017-21

Food Packaging ، 2009-2013

الأنشطة البحثية

الاهتمامات البحثية –

Polysaccharides based edible films multilayer composites

Edible films and coating materials

Biopolymers based thin films and its associated drug delivery systems

Mechanical, thermal, optical, barrier, and morphological assessment of edible films

Release kinetics and rheological assessment of edible films

Antioxidant and antimicrobial assessment of food packaging material (edible films/coating (materials

المنشورات –

مقال:

1. Saurabh Bhatia et al. Development of broad spectrum mycosporine loaded sunscreen formulation from Ulva fasciata. 2021

2. Bhatia S et al. Nutraceutical, Antioxidant, Antimicrobial Properties of Pyropia vietnamensis (Tanaka et Pham-Hong Ho) JE Sutherl. et Monotilla 2021

3. Bhatia S, et al. Unravelling the photoprotective effects of freshwater alga Nostoc commune Vaucher ex Bornet et Flahault against ultraviolet radiations. Environ Sci Pollut Res Int. 2021 Oct 5. 2021

4. Bhatia S, et al. In vitro antioxidant and antinociceptive properties of Porphyra vietnamensis. Biomedicine (Taipei). 2019 Mar;9(1):3. 2019

5. Saurabh Bhatia et al. Anti-inflammatory, analgesic and antiulcer properties of Porphyra vietnamensis. Avicenna J. Phytomed.5 1–7 2015

6. Saurabh bhatia et al. Immuno-modulation effect of sulphated polysaccharide (porphyran) from Porphyra vietnamensis 2015

7. Saurabh Bhatia et al. Investigation of the factors influencing the molecular weight of porphyran and its associated antifungal activity 2015

8. Saurabh Bhatia et al. Significance of algal polymer in designing Amphotericin B 2014

nanoparticles Sci. World J.2014 IF: 1.3

9. Saurabh Bhatia Mycosporine and mycosporine-like amino acids: A paramount tool against ultra violet irradiation 2010

10. Bhatia S. Broad-spectrum sun-protective action of Porphyra-334 derived from Porphyra vietnamensis. Pharmacognosy Res. 2010 Jan;2(1):45-9. 2009

کتاب:

1. Saurabh Bhatia, Introduction to Pharmaceutical Biotechnology, Volume 3 Animal tissue culture and biopharmaceuticals 2019

2. Saurabh Bhatia Introduction to Pharmaceutical Saurabh Bhatia Biotechnology, Volume 1 Basic techniques and concepts 2018

3. Saurabh Bhatia Introduction to Pharmaceutical Biotechnology, Volume 2 Enzymes, proteins and bioinformatics 2018

4. Saurabh Bhatia, Nanotechnology in Drug Delivery Fundamentals, Design, and Applications 2016

5. Saurabh Bhatia, Systems for Drug Delivery، Springer 2016

6. Saurabh Bhatia. Natural Polymer Drug Delivery Systems، Springer International Publishing Switzerland 2016

7. Saurabh Bhatia Leishmaniasis Biology, Control and New Approaches for Its Treatment 2015

8. Saurabh Bhatia et al Modern Applications of Plant Biotechnology in Pharmaceutical Sciences، Academic Press, Elsevier 2015

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