



## Dr. Saurabh Bhatia

Associate Professor

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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 sustainable packaging. 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 as sustainable packaging materials. He holds dual expertise in Pharmaceutical and Food sciences to explore potential of biopolymers based composite materials especially biopolymer based packaging films. He has earned his Ph.D. Degree (2015) 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 sustainable packaging applications. To date his research has resulted in to more than 120 publications in journal of high repute with an exceeding citation of more than 6000. He has also authored 11 books with leading publishers. To know the current trends in packaging research he is also serving as reviewer, associate editor, EBM in several journals

### 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 -

Synthetic and biopolymer based films for packaging applications

Edible films and coating materials

Biodegradable polymeric films for packaging applications

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

Intelligent, composite, multiple layers, multifunctional, UV protective, and nano engineered films for packaging applications

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

Two dimensional polymeric films for packaging applications

Superhydrophobic films for flexible packaging application

#### المنشورات -

#### مقال:

[Saurabh Bhatia et al. Development of broad spectrum mycosporine loaded sunscreen 2021 .1 formulation from Ulva fasciata](#)

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

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

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

[Saurabh Bhatia et al. Anti-inflammatory, analgesic and antiulcer properties of Porphyra 2015 .5 vietnamensis. Avicenna J. Phytomed.5 1-7](#)

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

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

[Saurabh Bhatia et al. Significance of algal polymer in designing Amphotericin B 2014 .8](#)

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

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

کتاب:

[Saurabh Bhatia, Introduction to Pharmaceutical Biotechnology, Volume 3 Animal tissue culture and biopharmaceuticals](#) 2019 .1

[Saurabh Bhatia Introduction to Pharmaceutical Saurabh Bhatia Biotechnology, Volume 1 Basic techniques and concepts](#) 2018 .2

[Saurabh Bhatia Introduction to Pharmaceutical Biotechnology, Volume 2 Enzymes, proteins and bioinformatics](#) 2018 .3

[Saurabh Bhatia, Nanotechnology in Drug Delivery Fundamentals, Design, and Applications](#) 2016 .4

[Saurabh Bhatia, Systems for Drug Delivery](#), Springer 2016 .5

[Saurabh Bhatia. Natural Polymer Drug Delivery Systems](#), Springer International Publishing Switzerland 2016 .6

[Saurabh Bhatia Leishmaniasis Biology, Control and New Approaches for Its Treatment](#) 2015 .7

[Saurabh Bhatia et al Modern Applications of Plant Biotechnology in Pharmaceutical Sciences](#), Academic Press, Elsevier 2015 .8