



**SCINTELLECT – An undergraduate research initiative
Year-end report AY 2018-19**

SCINTELLECT, the undergraduate research initiative of BNCP started formally in 2016 encourages undergraduate students to become involved in research projects under the mentorship of a faculty member. This is designed to provide an opportunity for students to evaluate the possibility of entering a higher education program in pharmaceutical sciences wherein the students are provided the opportunity of engaging in a full-time research experience in close collaboration with faculty members, postgraduate and PhD students. The outcomes after this experiential learning could be presentation of research project in seminars/conferences, research competitions like Avishkar and publications.

SCINTELLECT has gained popularity amongst the undergraduate students as reflected in the increased number of student enrolments across all the years of B. Pharm programme. We have 15 student groups (35 students) working on diverse projects and reviews with faculty mentors across disciplines of pharmaceuticals, pharmacognosy, pharmaceutical chemistry and pharmacology.

The students after project completion have published papers in scientific journals. Some have presented their work in Avishkar 2018, an intercollegiate research convention organized by the University of Mumbai.

Prepared by

Dr. Tabassum Khan

May 24, 2019

SCINTELLECT-GLIMPSES



Avishkar 2018-19 (final year B. Pharm)



Cough lozenges at Rx Technical Fest 2018-19 (first year B. Pharm)



Carbohydrate Polymers
Volume 210, 15 April 2019, Pages 412-428



Polysaccharides as potential anticancer agents—A review of their progress

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NOVEL DRUG DELIVERY SYSTEM: A PROMISING APPROACH IN MANAGEMENT OF SCHIZOPHRENIA – A REVIEW

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Keywords

Schizophrenia, treatment of schizophrenia, conventional drug delivery system, novel drug delivery system

ABSTRACT

Schizophrenia is a syndromic condition which is characterized by a set of signs and symptoms like delusions. It is severe non-curable illness of the brain. If not controlled and treated properly, it can lead to severe consequences. One can control these delusions by means of treatment, by using Conventional therapy or Novel therapy. There are various advantages of Novel system over Conventional system. This review focuses on understanding Novel system and its advantages over Conventional system.

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DOPAMINERGIC AGENTS: BACK TO THE BASICS – A SMALL REVIEW

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Article Information

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Parkinson's, Levodopa, Carbidopa, Combination therapy of levodopa and Carbidopa, treatment of Parkinson's.

ABSTRACT

Parkinson's disease is one of the most common neurodegenerative diseases. The motor system is eventually damaged which affects the voluntary movements in a patient. It leads to the death of vital nerve cells in the brain. Women have lesser prevalence due to the hormone called Estrogen which has been playing a significant role in human body. Most of the treatments focus on the balance of Dopamine in the brain which is done with the help of levodopa but the side effects seen in the patients were mild nausea, loss of appetite, heart burn, diarrhea, and many more. The cause of the disease is still unknown but its occurrence is mainly because of genetic and environmental factors. This review focuses on the combination therapy of levodopa and Carbidopa to treat the symptoms of Parkinson's disease.

Evaluation of Anthelmintic Potential of Leaves and Fruits of Zanthoxylum rhetsa

Abstract Images

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Evaluation of Anthelmintic Potential of Leaves and Fruits of Zanthoxylum rhetsa

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