



# NEWSLETTER BULLETIN



**Dr. J. J. Magdum Trust's,**

**Anil Alias Pintu Magdum Memorial Pharmacy College, Dharangutti.**

**Gat. No. 345/ 2B, Shirol- Kolhapur Bypass Road, Tal: Shirol, Dist: Kolhapur.**

**Ph. No. 02322-221929 Web: [www.aapmparmacy.com](http://www.aapmparmacy.com) Email: [aapmparmacy@gmail.com](mailto:aapmparmacy@gmail.com)**

**Academic Year 2018-19 Volume III, Issue 3, January 2019 – April 2019 for Private Circulation Only**

**03 Days MCED Workshop on Entrepreneurship Awareness Programme on  
17.01.2019- 19.01.2019.**

## **EDITORIAL BOARD**

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- Mrs. Sonalkar M. Y.

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Three Days MCED Workshop On Entrepreneurship Awareness Programme was organized by Maharashtra Centre for Entrepreneurship Development , Kolhapur in association with Dr. J. J. Magdum Trust's, Anil Alias Pintu Magdum Memorial Pharmacy College, Dharangutti, Tal- Shirol, Dist- Kolhapur on 17<sup>th</sup>, 18<sup>th</sup> & 19<sup>th</sup> January 2019. The programme was organized under the guidance of Principal, Mr. S. A. Nitave. For this programme Total 107 no. of students, faculty & staff were participated.

## **NSS Activities**



**Under Unnat Bharat Abhiyan “Village Sanitation Awareness Rally” on 16.01.2019**



**National Voters' Day Rally on 25.01.2019**

## **Human Anatomy & Physiology Museum Visit**



**Human Anatomy & Physiology Museum Visit to Dr. J. J. Magdum Homeopathic Medical College, Jaysingpur on 15<sup>th</sup> February 2019.**

## **Farewell Ceremony of Final Year Students**



## **Final year students Batch 2018-19**



### **Paper Publication by Faculty**

#### **COMPARATIVE ANTHELMINTIC ACTIVITY OF SARACA ASOCA (ROXB.)**

#### **WILD BARK AND CARICA PAPAYA LINN LEAVES**

**Ms. M. M. Bhide\*, Mr. S. A. Nitave**

**Dr. J. J. Magdum Trust's , Anil Alias Pintu Magdum Memorial Pharmacy College Dharangutti, Shirol,  
Kolhapur - 416101, Maharashtra, India.**

**World Journal of Pharmacy & Pharmaceutical Sciences, Vol 8, Issue 1, 2019, 1377-1384.**

**ABSTRACT:-** The aim of the present study was to evaluate comparative anthelmintic activity of alcoholic & aqueous extracts of bark of Saraca Asoca (Roxb.) wild and alcoholic & aqueous extracts of Carica papaya Linn leaves on Indian earthworm (Pheretima posthuma) at concentration. Results were expressed in terms of time for paralysis and time for death of worms. Albendazole was used as a standard and Distill water as a control group. The result revealed that both bark of Saraca Asoca (Roxb.) wild & Carica papaya Linn leaves possesses anthelmintic activity. But leaves extracts of Carica papaya Linn has better activity than bark of Saraca Asoca (Roxb.) wild extracts. The presence of alkaloids, glycosides, saponins, flavanoids, terpenoids, tannins seems to be the responsible phytoconstituents for demonstrating anthelmintic activity.



## **ANTIMICROBIAL AND ANTHELMINTIC ACTIVITY OF PIPER BETLE LEAVES**

**Ms. M. Y. Sonalkar\*, Mr. S. A. Nitave**

**Dr. J. J. Magdum Trust's' Anil Alias Pintu Magdum Memorial Pharmacy College  
Dharangutti, Shirol, Kolhapur - 416101, Maharashtra, India.**

**World Journal of Pharmaceutical Research, Vol 8, Issue 2, 2019, 965-970.**

**ABSTRACT:** - The aim of present study is to a comparative evaluation of microbial properties of piper betel leaves against pathogenic microorganism such as bacteria and fungi in agar well diffusion method against some of the standard antibiotics available in the market. Ethanol extract of piper betel leaves were evaluated for Antimicrobial activity against pseudomonas aeruginosa, Staphylococcus aureus and Candida albicans and Aspergillus florus strains. Almox and Flucanazole were used as standards for antibacterial and antifungal assay respectively. Ethanol extract showed different degree of activity against antibacterial and antifungal investigation. Ethanolic extract of Piper betel leaves were considerably more inhibitory action against fungi than bacterial strains. The study was also designed to evaluate to anthelmintic properties of ethanolic and aqueous extract of Piper betle Linn. All test sample taken at same concentration ie. (20, 40, 60, 80, 100mg/ml) were tested on indian earth worms (pheritimaposthuma), paralysis time & death of time were consider as assessment of anthelmintic activity. It was noticed in this investigation that the time of paralysis & death of worms was the dose dependent.



## **ENDOPHYTIC FUNGI: A NOVEL SOURCE USED AS NATURAL THERAPEUTICS**

**Ms. V. A. Patil\*, Mr. S. A. Nitave**

**Dr. J. J. Magdum Trust's' Anil Alias Pintu Magdum Memorial Pharmacy College  
Dharangutti, Shirol, Kolhapur - 416101, Maharashtra, India.**

**World Journal of Pharmaceutical Research, Vol 8, Issue 2, 2019, 334-346.**

**ABSTRACT:** - Endophytes are the microorganisms that exist in internal tissues of all plant species and are proven source of novel organic natural molecules, supposed to emphasizing the frontiers of drug discovery. Many researchers have proven that endophyte is a new and potential source of novel natural products for exploitation in modern medicine, agriculture and industry. Endophyte research has yielded various properties like antimicrobial, antioxidant, antiviral, antidiabetic, antialzheimer and immunosuppressant etc. This evidence arises a hope to combat incurable diseases, drug resistance, other challenges related to human health. endophytes belong to diverse structural classes, including: alkaloids, peptides, steroids, terpenoids, phenols, quinones, and flavonoids. The potential of finding new drugs that may be effective candidates for treating newly developing diseases in humans is great. Endophytes, found ubiquitous in all plant species in the world, contribute to their host plants by producing plenty of substances that provide protection and ultimately survival value to the plant. So far, a great number of novel natural products have been isolated from endophytes. These achievements would provide the opportunity to utilize endophytes as a new source for production of secondary metabolites.



## **REVIEW ON PHARMACOLOGICAL INVESTIGATION OF NIGELLA SATIVA**

**Ms. A. M. Bhaiji \*, Mr. S. A. Nitave**

**Dr. J. J. Magdum Trust's' Anil Alias Pintu Magdum Memorial Pharmacy College**

**Dharangutti, Shirol, Kolhapur - 416101, Maharashtra, India.**

**World Journal of Pharmaceutical Research, Vol 8, Issue 2, 2019, 472-482.**

**ABSTRACT:** - *Nigella sativa* (*N. sativa*) (Family Ranunculaceae) is a widely used medicinal plant throughout the world. It is very popular in various traditional systems of medicine like Unani and Tibb, Ayurveda and Siddha. Seeds and oil have a long history of folklore usage in various systems of medicines and food. The seeds of *N. sativa* have been widely used in the treatment of different diseases and ailments. In Islamic literature, it is considered as one of the greatest forms of healing medicine. It has been recommended for using on regular basis in Tibb-e-Nabwi (Prophetic Medicine). It has been widely used as antihypertensive, liver tonics, diuretics, digestive, anti-diarrheal, appetite stimulant, analgesics, anti-bacterial and in skin disorders. Extensive studies on *N. sativa* have been carried out by various researchers and a wide spectrum of its pharmacological actions have been explored which may include antidiabetic, anticancer, immunomodulator, analgesic, antimicrobial, anti-inflammatory, spasmolytic, bronchodilator, hepatoprotective, renal protective, gastro-protective, antioxidant properties, etc. Due to its miraculous power of healing, *N. sativa* has got the place among the top ranked evidence based herbal medicines. This is also revealed that most of the therapeutic properties of this plant are due to the presence of thymoquinone which is major bioactive component of the essential oil. The present review is an effort to provide a detailed survey of the literature on scientific researches of pharmacognostical characteristics, chemical composition and pharmacological activities of the seeds of this plant.



## **PHARMACOLOGICAL ACTIVITY OF CATHARANTHUS ROSEUS**

**Ms. R. K. Pendhari \*, Mr. S. A. Nitave**

**Dr. J. J. Magdum Trust's' Anil Alias Pintu Magdum Memorial Pharmacy College**

**Dharangutti, Shirol, Kolhapur - 416101, Maharashtra, India.**

**World Journal of Pharmacy & Pharmaceutical Sciences, Vol 8, Issue 2, 2019, 299-308.**

**ABSTRACT:** - Vinca alkaloids are a subset of drugs obtained from the Madagascar periwinkle plant. They are naturally extracted from the pink periwinkle plant, *Catharanthus roseus* G. Don and have hypoglycaemic as well as cytotoxic effects. They have been used to treat diabetes, high blood pressure and have been used as disinfectants. The vinca alkaloids are also important for being cancer fighters. There are four major vinca alkaloids in clinical use: Vinblastine (VBL), vinorelbine (VRL), vincristine (VCR) and vindesine (VDS). VCR, VBL and VRL have been approved for use in

the United States. Vinflunine is also a new synthetic vinca alkaloid, which has been approved in Europe for the treatment of second-line transitional cell carcinoma of the urothelium is being developed for other malignancies. Vinca alkaloids are the second-most-used class of cancer drugs and will stay among the original cancer therapies. Different researches and studies for new vinca alkaloid applications will be carried out in this regard.

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### **REVIEW OF FLOATING DRUG DELIVERY SYSTEM**

**Ms. N. P. Anchaliya \*, Mr. S. A. Nitave**

**Dr. J. J. Magdum Trust's' Anil Alias Pintu Magdum Memorial Pharmacy College  
Dharangutti, Shirol, Kolhapur - 416101, Maharashtra, India.**

**World Journal of Pharmacy & Pharmaceutical Sciences, Vol 8, Issue 2, 2019  
323-335.**

**ABSTRACT:** -The purpose of writing this review on floating drug delivery systems (FDDS) was to compile the recent literature with special focus on the principal mechanism of floatation to achieve gastric retention. The recent developments of FDDS including the physiological and formulation variables affecting gastric retention, approaches to design ion exchange resin floating systems, and their classification also covered in detail. This project also summarizes the in vitro techniques, in vivo studies to evaluate the performance and application of floating systems, and natural and synthetic drug used in FDDS. In review also covered information about future Potential.

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### **A REVIEW: FIXED DOSE COMBINATIONS OF PENICILLINS**

**Ms. M. S. Jogdande \*, Mr. S. A. Nitave**

**Dr. J. J. Magdum Trust's' Anil Alias Pintu Magdum Memorial Pharmacy College  
Dharangutti, Shirol, Kolhapur - 416101, Maharashtra, India.**

**World Journal of Pharmacy & Pharmaceutical Sciences, Vol 8, Issue 2, 2019,285-298.**

**ABSTRACT:** -A combination drug is a fixed dose combination (FDC) that includes two or more active pharmaceutical ingredients (APIs) combined in a single dosage form, which is manufactured and distributed in fixed doses. Antibiotics also called antibacterials are a type of antimicrobial drug used in the treatment and prevention of bacterial infections. They may either kill or inhibit the growth of bacteria. In the management of adverse drug reaction and to control the side effects of the drug fixed dose combination formulations have their usefulness. Fixed dose combinations can also deal with pill burden in long term treatment. fixed dose combinations of penicillins can apply to fulfill the patient compliance, provide high therapeutic index and to provide cheaper medicines to the patient.

## **List of Final Year Students Academic Year 2018-2019.**

<b>Madari Shiwaraj Siddanna</b>	<b>Lone Ankush Bhagwan</b>
<b>Sawant Omkar Dilip</b>	<b>Mali Ashatai Dnyandev</b>
<b>Ambi Vipul Sagar</b>	<b>Mane Dhanashree Anil</b>
<b>Bishnoi Anita Birbalram</b>	<b>Mulla Muskan Ramjan</b>
<b>Chavan Akash Shivaji</b>	<b>Mulla Safeeya Inayat Husain</b>
<b>Chavan Ganesh Narayan</b>	<b>Nadaf Reshma Salim</b>
<b>Chavan Prathamesh Suresh</b>	<b>Nandaniwale Shoab Elai</b>
<b>Chavan Sachin Rameshwar</b>	<b>Natkule Amol Ashok</b>
<b>Chougule Akshay Abhay</b>	<b>Nayakawade Jafar Zakir</b>
<b>Chougule Rahul Kisan</b>	<b>Panadare Sakshi Deepak</b>
<b>Devde Sambhaji Shriram</b>	<b>Patel Noorus Saba Amanullah</b>
<b>Dour Pooja Dhondiram</b>	<b>Patil Tejaswini Balkrushna</b>
<b>Gajabi Himanshu Ashok</b>	<b>Powar Mohinee Ashok</b>
<b>Gavandi Muskan Rashid</b>	<b>Powar Sakshi Sushant</b>
<b>Ghorad Pallavi Uttam</b>	<b>Qureshi Mo Bilal Mo Gous</b>
<b>Herwade Arati Kalgonda</b>	<b>Rajput Arati Anushin</b>
<b>Jadhav Ankita Dadaso</b>	<b>Rawool Abhishek Chandrakant</b>
<b>Jamadar Aashma Ajmuddin</b>	<b>Shah Surabhi Nitin</b>
<b>Kadam Shweta Sanjay</b>	<b>Shinde Priya Prakash</b>
<b>Kamble Monali Namdev</b>	<b>Shinde Shruti Sanjay</b>
<b>Kamble Namrata Balu</b>	<b>Shinde Swati Sharad</b>
<b>Keluse Vishwanath Babaso</b>	<b>Suryawanshi Omkar Ramdas</b>
<b>Khaire Tejasvini Anil</b>	<b>Tandale Sonu Bhagwan</b>
<b>Khutale Shivani Sharad</b>	<b>Tone Ranjeet Kiran</b>
<b>Koli Revati Ratnadeep</b>	<b>Utture Pritam Sunil</b>
<b>Lad Rushikesh Madhukar</b>	<b>Vharate Sharad Ashok</b>
<b>Lad Sushant Dilip</b>	

# AWARDS WON BY INSTITUTE



**Miss. Surabhi N. Shah & Miss. Tejaswini B. Patil Won Third Prize in State Level Poster Presentation Competition at Rajarambapu College of Pharmacy, Kasegaon on 25<sup>th</sup> January 2019.**



**Miss. Shradha M. Jadhav & Miss. Sanskruti R. More Won Third Prize in State Level Model Presentation Competition at Tatyasaheb Kore College of Pharmacy, Warnanagar on 01<sup>st</sup> February 2019.**

To,

Book- Post