

RAYAT SHIKSHAN SANSTHA'S

ARTS, SCIENCE & COMMERCE COLLEGE, RAMANANDNAGAR (BURLI)

TAL: PALUS, DIST.: SANGLI (M.S) INDIA.



REPORT OF

NATIONAL e- CONFERENCE

ON

“SCOPE OF LIFE-SCIENCES IN DISEASE MANAGEMENT”

[SLDM-2020]

Organized by

DEPARTMENT OF ZOOLOGY & BOTANY

In collaboration with IQAC

11th JULY, 2020

REPORT OF THE NATIONAL e- CONFERENCE on
“SCOPE OF LIFE-SCIENCES IN DISEASE MANAGEMENT”

In the Global scenario of COVID -19 pandemic the department of Zoology, Botany in collaboration with IQAC had organized a National level e- Conference on “Scope of Life Sciences in Disease Management” on 11th July, 2020. A very huge responses was received from the virtual participants a total of 829 virtual participants registered form 16 states of India.

The Inauguration of the National e Conference was done by the auspicious hands of **Hon. Principal Dr. L D Kadam**, where he emphasised more on the studies of Life Sciences and it role in National development with a brief history on the communicable diseases happened in the past four decades.

The Key note Address was delivered by **Hon. Dr. Abhijit Dey, Presidency University, Kolkata** he focused on the **“Promising Antiviral Natural Products against COVID – 19”** i.e. various plant alkaloids used for the treatment of various diseases and how the students of UG / PG and research scholars should focus on it. For this session **Mr. A B Mane** introduced Hon. Dr. Abhijit Dey and Vote thanks was offered by **Dr. T S Bhosale**.

The Session I was delivered by **Hon. Dr. D. Arvind Prasanth, Periyar University, Salem, Tamilnadu**, he discussed on **“Antibiotic Resistance- A Wake up call”** he attracted more students on choosing the various options of life sciences. For this session **Ms. S W Whag** introduced Hon. Dr. Arvind Prasanth and Vote thanks was offered by **Ms. Namrata Kamble**

The Session II was conducted by **Hon. Dr. Vinod Haridas, I/C Principal & Head, Department of Botany, T K Madhava Memorial College, Nangiarkulangara, Dist.: Alappuzha, Keralam**. Topic: **“Production of Biogas from aquatic weeds.”** For this session **Dr. T S Bhosale** introduced Hon. Dr. Vinod Haridas and Vote thanks was offered by **Ms. Priyanka Jirge**.

The Session III was for the **Oral Presentations and Poster Presentations** for the researchers. A Total of Three oral presentation and Two poster presentations were received for the conference which were also enrolled for the competition.

1) Mrs. Latha K, Hasan, Karnataka (Stood 1st – Oral Presentation) (Three out of one)

1) Mr. Anil S Govekar, Chembur, Mumbai (Stood 1st – Poster Presentation)

(Two out of one)

The Programme was very efficiently handled and anchored by Miss. Namrata Kamble, Assistant Professor, Department of Physics.

Mr. A B Mane
Convenor

Ms. S W Wagh
Coordinator
Department of Botany

Dr. T.S. Bhosale
Head, & Asso. Prof,
Department of Zoology

Dr. L. D. Kadam
Principal
Chief Organizer



Rayat Shikshan Sanstha's
Arts, Science and Commerce College, Ramanandnagar (Burli)
Tal: Palus Dist.: Sangli-416 308

National e-Conference

Organized by

Department of Zoology & Botany in Collaboration with
Internal Quality Assurance Cell (IQAC)
Arts, Science and Commerce College, Ramanandnagar (Burli)
On

**SCOPE OF LIFE SCIENCES IN DISEASE MANAGEMENT
(SLDM) 2020**

OUR RESOURCE PERSONS

Date: 11 July 2020 Time: 11.30AM

Hon. Dr. Abhijit Dey
Presidency University Kolkata, W.B., India

Hon. Dr. Arvind Prasanth
Periyar University, Salem, Tamilnadu, India

Hon. Dr. Vinod Haridas
I/C Principal & Head, Department of Botany,
T.K. Madhava Memorial College,
Nangiarkulangara, Keralam, India

Chief Organizer
Dr. Laxman D. Kadam,
Principal, A S C College, Ramanandnagar (Burli)

Contact Details

Dr. T. S. Bhosale
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Mr. A. B. Mane
9860028234

Ms. S. W. Wagh
9850806050

Mr. D. N. Sasane
9970444755

Registration Link: <https://forms.gle/nsYKGp89hVmCZyXH9>

Telegram Link: <https://t.me/joinchat/LyY4shgQ4DaBnUTscbRTvg>

BROUCHER SLDM-2020



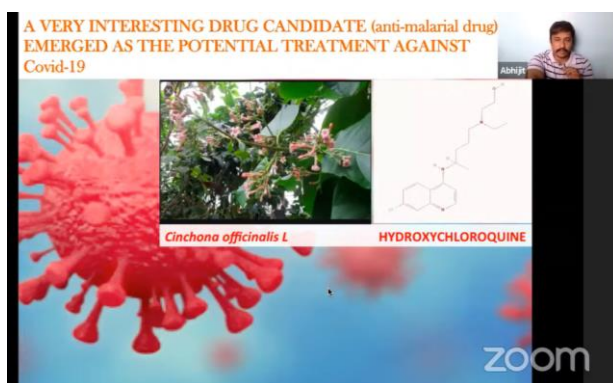
PRESIDENTIAL ADDRESS OF PRIN. Dr. L D KADAM SIR, SLDM-2020



Introduction, by Mr. A B Mane, Conveno



Introduction, Key Note Speaker by Dr. T S Bhosale,



Key Note Address Dr. Abhijit Dey, Presidency University, Kolkata.




Plenary Talk-I by Dr. Arvind Prashant, Periyar University, Salem, Tamilnadu.



Plenary Talk-II by Dr. Vinod Haridas, I/C Principal, Nangiarkulangara, Dist.: Alappuzha, Keralam.

VIRTUAL ORAL PRESENTATION COMPETETION

Scope of Life Sciences in Disease Management (SLDM) 2020



"IMPACT ASSESSMENT OF HOMEOPATHIC DRUGS IODIUM AND LACHESIS ON LARVAE, COCOON AND POST-COCOON CHARACTERISTIC OF *BOMBYX MORI* L."

DR. Avhad SUNIL BALU
*Asst. professor, Dept. of Zoology,
Annasaheb Vartak college, Vasai road.

2-2022

Scope of Life Sciences in Disease Management (SLDM) 2020

The life scientists have the opportunity of providing, protecting, detection, treatment of COVID-19

1. Protection:

- For identifying and understanding the scope of the fast-moving pandemic.
- Profiling the patients affected are critical challenges for public health officials, policymakers, news outlets, and healthcare organizations
- Providing help to patients seeking reliable, accessible information about conditions.
- Digitizing healthcare for better outcomes The entire life sciences have space with the digital technologies to make medicine, increase sufficiency in the value chain, and know about the capabilities that the companies need to develop today to have a better tomorrow.

In vitro efficacy of Cinnamon essential oil against *Aspergillus niger*

Dr. D. D. D. D.

VIRTUAL POSTER PRESENTATION COMPETETION



2

Scope of Life Sciences in Disease Management (SLDM) 2020

PROCESSING INDUSTRIES: A REVIEW

ABSTRACT:
Food are substances or mixtures of substances both solid and/or liquid, which are intended for human consumption or ingestion for their nutritional or pleasurable benefits. The classification of food additives and chemistry were treated in this study. The subject area of food additives is relatively complex and includes both natural and synthetic substances, covering a wide range of chemical entities. These additives are intentionally added to food for a particular purpose. Indeed additives are added to the food during its processing, packaging and storage. Further, food additives and its effect were also explained in this review.

Keywords: Food, Food Additives, Processing, Preservation.

<p>INTRODUCTION</p> <p>Food is a heterogeneous mixture of chemicals, both natural and man-made; hence, the source of food and food chemistry is complex.</p> <p>The subject area of food additives is relatively complex and includes both natural and synthetic substances, covering a wide range of chemical entities.</p> <p>The food additive industry is growing rapidly.</p> <p>Consumers have created a demand for processed foods requiring one or more additives to improve and/or enhance food quality (appearance, taste, texture, etc.) and/or to extend shelf life.</p> <p>There are some 2000 chemicals that function as food additives.</p> <p>FOOD ADDITIVES:</p> <p>In broader sense, a food additive is any substance added to food to legally be used in any substance the intended use which results in any reasonably be expected to result directly or indirectly in its becoming a component or otherwise affecting the characteristics of any food.</p> <p>The additive includes any substance used in the production, processing, treatment, packaging, transportation or storage of food.</p> <p>Food additives are those that are intentionally added to food for a specific purpose.</p> <p>Indeed food additives are those that become part of the food in trace amounts due to its packaging, storage or other handling.</p> <p>FOOD ADDITIVES MAY BE CLASSIFIED AS: Acids, Salts, Buffers, Emulsifiers, Antioxidants, Preservatives, Flavoring agents, Anticaking agents, Bulking agents, Food coloring, Color retention agents, Emulsifiers, Foaming, Thickening agents, Flavor enhancers, Flavor modifiers, Chelating agents, Humectants, Thickeners, Stabilizers, Sweeteners, etc.</p>	<p>CHEMISTRY OF FOOD ADDITIVES:</p> <p>When we need to store any food for a longer time, it should be properly preserved. During the processing, some substances and chemicals, known as additives, are added to the food.</p> <p>In addition, we also need to add some preservatives in order to prevent the food from spoiling.</p> <p>Food additives require the appropriate machinery, dispensing and mixing equipment, which are produced by chemical food additives, or rely on food preservative suppliers to deliver additives and preservatives for food grade or storage.</p> <p>Chemical food additives such as colorants, preservatives and stabilizers are usually available in crystals or powders that can be added to food processing equipment.</p> <p>CONCLUSION:</p> <p>This paper regularly deals with the role of food additives used during the food processing industries.</p> <p>Emulsifiers, stabilizers and food coloring are used to maintain product consistency.</p> <p>Flavors and essences are used to improve or maintain nutritional value.</p> <p>Coloring agents are used to control color stability.</p> <p>Many spices, natural and synthetic, flavors enhance the taste of food. Colors, however, enhance the appearance of various foods to meet consumer expectations.</p> <p>Colors are also used to enhance the food quality, stimulate appetite, and to make more nutritious, better presentation and aesthetically better dishes.</p> <p>Indeed additives are used in food processing, food storage, food and food storage.</p> <p>Control is a factor in food processing and additives that can cause vitamin deficiencies.</p> <p>There are several advantages and disadvantages of food additives.</p>
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REFERENCES:



Vote of Thanks by Miss. Sneha W Whag
Head, Department of Botany



Anchoring by Miss. Namrata J Kamble
Assistant Professor, Department of Physics

[Signature]
Head
 Department of Zoology
 A.S.C.College, Ramanandnagar(Burli)



[Signature]
Principal
 Arts, Science & Commerce College,
 Ramanandnagar (Burli)