

*e-International Conference*

on

# **NUTRIENTS ACQUISITION BY PLANTS AND PLANT BASED REMEDIES AGAINST VIRAL DISEASES**

**Date: 7<sup>th</sup> and 8<sup>th</sup> August, 2020**



**:Organized by:**

**Internal Quality Assurance Cell (IQAC)  
Nowgong College, Nagaon, Assam**

*In association with*

**World Researchers Associations (WRA)**



**Online Platform: Through**



**Registration Link::** [https://docs.google.com/forms/d/e/1FAIpQLSd0I59geMNa63uqKW\\_Op3N-0UCXVvKaQ8omCOitsAlgVnwKww/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLSd0I59geMNa63uqKW_Op3N-0UCXVvKaQ8omCOitsAlgVnwKww/viewform?usp=sf_link)

# Invitation

Dear Sir/ Madam,

It gives us immense pleasure to inform you that the Internal Quality Assurance Cell (IQAC), Nowgong College in association with World Researchers Association (WRA) is going to organize an International e-Conference on “**NUTRIENTS ACQUISITION BY PLANTS AND PLANT BASED REMEDIES AGAINST VIRAL DISEASES**” online through *Google Meet/ Cisco Webex Meetings* on 7<sup>th</sup> & 8<sup>th</sup> August, 2020.

Your kind cooperation and active participation in the webinar will be highly solicited. You and your esteemed colleagues participation and contribution in form of research articles will bring the e-Conference a grand success.

With regards,

Dr. Sarat Borkataki

Principal/President

Nowgong College, Nagaon, Assam

**Convener**

Dr. Krishna Kanta Medhi

Dean, PG Classes, Nowgong College

E-mail: [medhikrishnc@gmail.com](mailto:medhikrishnc@gmail.com) Phone: 7002546286

**Organizing Secretary**

Dr. Bhuban Ch. Chutia

Department of Zoology, Nowgong College

E-mail: [bhuban78@gmail.com](mailto:bhuban78@gmail.com) Phone: 7002133245

**Secretary (Technical)**

Dr. Parikshit Gogoi

Department of Chemistry, Nowgong College

E-mail: [parikk100@gmail.com](mailto:parikk100@gmail.com) Phone: 9864172267

**Advisor (s)**

Dr. S. K. Dutta, President, GB, Nowgong College

Prof. Shankar Garg, Founder, WRA

Prof. J. C. Kalita, Professor, Department of Zoology, Gauhati University

Prof. P. P. Baruah, Former Head & Professor, Department of Botany, Gauhati University

Mr. Biswajit Bhuyan, President, ACTA

Dr. Ranjan Kr. Bharali, Vice Principal (Administrative), Nowgong College

Ms. Bonti Neog, Vice Principal (Acad.), Nowgong College

**President**

**Dr. Sarat Borkataki**

Principal, Nowgong College

**Convener**

**Dr. Krishna Kanta Medhi**

Coordinator, IQAC

E-mail: [medhikrishnc@gmail.com](mailto:medhikrishnc@gmail.com) , Phone: 7002546286

**Organizing Secretary**

**Dr. Bhuban Ch. Chutia**

E-mail: [bhuban78@gmail.com](mailto:bhuban78@gmail.com)

Phone: 7002133245

**Secretary (Technical)**

**Dr. Parikshit Gogoi**

E-mail: [parikk100@gmail.com](mailto:parikk100@gmail.com)

Phone: 9864172267

**About the Conference:** Nutrients are a vital source of energy for all living organisms. Plants and microorganisms acquire nutrients from their environments through various biogeochemical (sub) processes and nutrients-acquisition strategies. In addition, plants produce primary and secondary metabolites via different biochemical processes. These metabolites (also known as natural products) are an excellent source to unravel novel drugs. Several currently in use antiviral agents are derived from plants. For instance, the tremendous potential of bioactive compounds from plants in inhibiting SARS-CoV-2 has been underlined recently in several reports. This Conference will highlight the biogeochemical processes through which plants adapt to nutrient deficiencies and function under stress conditions in order to acquire essential micronutrients from the minerals present in soils. Furthermore, the role of plant-derived bioactive compounds in the management of viral diseases both in Western and traditional medicines will be discussed.

**Sub-theme (s):**

1. Nutritional values of plants bio-resources
2. Nutrient acquisition by plants
3. Biogeochemical processes of mineral dissolution
4. Plant based resources against viral diseases
5. Human immunity to viral diseases
6. Phyto-Chemical properties of bio-resources to enhance immunity and control viral diseases

## **Guidelines for Abstract:**

- Abstract has to be submitted in English within 250 words with 4-5 keywords.
- Last date of receiving abstracts: 31<sup>st</sup> July, 2020
- The title of the paper should be bold and in capital letters (14 font, *Times New Roman*)
- Institute address of authors should also centered (12 font, *Times New Roman*) with details of phone number and email address
- The name of the presenting author should be underlined. Abstract should be 1.5 spaced with margin of 2.5cm on all sides
- Full papers submission: Last date of receiving full papers on or before 7<sup>th</sup> August, 2020. The selected papers of conference will be published in a proceeding form with ISBN after peer review process.
- E-mail for abstracts and full papers submission:  
*psemconference2020@gmail.com*

## ***Nowgong College at a glance:***

Nowgong College a pioneer Institution of Higher education is located about 120 kms away from Guwahati City. The college was established on 7<sup>th</sup> August, 1944, with the permission from the University of Calcutta and later affiliated to Gauhati University under UGC ACT 1956 under section 2 (f). The College offers a large number of subjects in Arts, Science and Commerce stream in the Under Graduate, Post Graduate as well as Ph. D. level and has been able to attract students from the entire North Eastern Region. This college has been re-accredited with “A” Grade by NAAC in 2016. The college is recognized by UGC as Mentor Institute in 2019. A separate Research Cell of Nowgong College has been set up with the aim of inculcating research culture among the faculty members and students of the college. The main objective of the cell is to improve research practices in the institution. The faculty members are actively involved in independent research works sponsored by different funding agencies such as UGC, DBT, DST, MOEF etc. The college also publishes a half yearly multidisciplinary research journal entitled ‘*Delve*’ under the supervision of the Cell with ISSN number. The college also addresses general public on certain issues on fast track basis, whenever necessary.

## Chairperson (s)



**Dr. Sarat Borkataki**

Principal  
Nowgong College



**Prof. Shankar Garg**

Founder, World Researchers Association  
FRSC (London), FWRA, FICCE, FISBT,  
FICDM, FISM



**Prof. Partha Pratim Baruah**

Former HoD  
Department of Botany, Gauhati University



KEYNOTE SPEAKER

**Dr. Jagannath Biswakarma**

Eawag, Swiss Federal Institute of Aquatic  
Science and Technology, CH-8600  
Dübendorf, Switzerland

## Invited Speaker (s)



**Dr. Kyounglim Kang**

University of Vienna  
Althanstrasse 14  
A-1090 Vienna, Austria



**Dr. Deep Jyoti Bhuyan**

NICM Health Research Institute  
The science of integrative medicine  
Western Sydney University, Australia



**Eddie P. Mondejar, Ph.D.**

Mindanao State University  
Iligan Institute of Technology, Iligan City,  
Philippines