

e-International Conference

on

NUTRIENTS ACQUISITION BY PLANTS AND PLANT BASED REMEDIES AGAINST VIRAL DISEASES

Date: 7th and 8th 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_0p3N-0UCXVvKaQ8omCOitsAlgVnwKww/viewform?usp=sf_link



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 7th & 8th 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 Phone: 7002546286

Organizing Secretary

Dr. Bhuban Ch. Chutia

Department of Zoology, Nowgong College
E-mail: bhuban78@gmail.com Phone: 7002133245

Secretary (Technical)

Dr. Parikshit Gogoi

Department of Chemistry, Nowgong College
E-mail: 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 , Phone: 7002546286

Organizing Secretary

Dr. Bhuban Ch. Chutia

E-mail: bhuban78@gmail.com

Phone: 7002133245

Secretary (Technical)

Dr. Parikshit Gogoi

E-mail: 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: 31st 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 7th 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 7th 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