



গড়গাঁও মহাবিদ্যালয়  
GARGAON COLLEGE

**CHEMISTRY OF ALCOHOL: WEIGHING RISKS AND  
BENEFITS**

Date:10/06/2021

*Organized by*  
Department of Chemistry, Gargaon College

*In Collaboration with*  
IQAC, Gargaon College



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GARGAON COLLEGE

**DATE: 10/06/2021**

**RESOURCE PERSON**

**Dr. Ramesh Chandra Deka**  
Department of Chemistry, Tezpur University

**Topic: Chemistry of Alcohol: Weighing Risks and Benefits**

Flyer



 **GARGAON COLLEGE**  
AFFILIATED TO DISRU GARM UNIVERSITY

**A  
POPULAR TALK**  
On  
*Chemistry of Alcohol: Weighing Risks and  
Benefits*

**ORGANIZED  
BY  
DEPARTMENT OF CHEMISTRY  
GARGAON COLLEGE, SIMALUGURI**

  
**Inaugurator**  
*Dr. Sabyasachi  
Mahanta*  
Principal,  
Gargaon College

  
**Speaker**  
*Dr. Ramesh Ch.  
Deka*  
Director, Centre for  
Multidisciplinary  
Research,  
Professor, Dept. of  
Chemical Sciences,  
Tezpur University

**Date: 10<sup>th</sup> June, 2021 (Thursday)      Time : 11 AM**  
**Platform: ZOOM**

**Registration Link: <https://forms.gle/3QcpEnvQexFn3JNJ6>**  
**Contact No: 9435159444, 8486068270, 8011472928**





### **Brief Description of the Programme**

Alcohol is one of the most widely used drug substances in the world. Alcohol is a toxic and psychoactive substance with dependence-producing properties. Excessive alcohol use can lead to an increased risk of health problems such as injuries, violence, liver diseases and cancer. The talk on Chemistry of Alcohol: Weighing Risks and Benefits was organized to aware of the risk factors of excessive consumption of alcohol and its health consequences.

Department of Chemistry, Gargaon College, organized a Popular Talk on **Chemistry of Alcohol: Weighing Risks and Benefits** on the 10th of June, 2021. Dr. Ramesh Chandra Deka of Tezpur University was invited as a Resource person to deliver a talk on the topic.

Dr. Sabyasachi Mahanta, noted columnist and Principal of Gargaon College inaugurated the Popular talk. In his inaugural speech, Dr. Mahanta said that organizing such a talk on the topic would be beneficial to both the participants and research scholars. He appreciated the initiative of the faculty members of the department to organize a talk on such a relevant issue.

Dr. Ramesh Chandra Deka discussed on Alcohol Metabolism. He spoke about genetic factors and environmental factors of Alcohol (Ethanol) Metabolism. Speaking about the different enzymes that the body uses to metabolize alcohol, he pointed to four enzymes such as Alcohol dehydrogenase (ADH), Cytochrome P450 (CYP2E1), Catalase, and Aldehyde dehydrogenase (ALDH). Some alcohol metabolism also occurs in other tissues, including the pancreas and the brain he said. Talking about the consequences of health, Dr. Deka said that there may be Fetal Alcohol Spectrum Disorder if the alcohol consumption is greater. The consequences of alcohol metabolism include oxygen deficits (i.e, hypoxia) in the liver: interaction between alcohol metabolism byproducts and other cell components, resulting in the formation of harmful compounds (i.e., adducts), formation of highly reactive oxygen- containing molecules (i.e., reactive oxygen species (ROS) that can damage other cell components; changes in the ratio of NADH to NAD. The programme came to an end with the vote of thanks offered by Dr. Pakiza Begum, Assistant Professor of the Department of Chemistry, Gargaon College.



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GARGAON COLLEGE

## Photograph





## Participants List

SL No	Name of the Participants	SL No	Name of the Participants
1	Jyotimoy Das	36	Sahil Rahman
2	Protyasha Borkotoky	37	Bidyarth Bornil Handique
3	Chemsan Gogoi	38	Mishrita Gogoi
4	Bhitalee Phukon	39	Madhurima Dutta
5	Gaurangi Bhattacharjee	40	Biswojit Limbu
6	Debajyoti Borgohain	41	Jyotirmoy Menon Tamuli
7	Shaan Buragohain	42	Lenish Mili
8	Devajyoti Bharali	43	Paban Kumar Shah
9	Ananya Bharali	44	Iftasam Parvash Hussain
10	Prachurjya Gogoi	45	Asha Devi
11	Gunin Chitrakar	46	Bitupan Saikia
12	Ankita Kalita	47	Shabana Yasmin
13	Ankur Hazarika	48	Uday Nath
14	Gautam Konwar	49	Rohit Dey
15	Prachurjyadip Gogoi	50	Pallav Krishna Boruah
16	Ankita Gogoi	51	Chinmoy Dutta
17	Bishnu Prasad Khanikar	52	Shubham Verma
18	Novanita Handique	53	Sujit Shil
19	Palash Dutta	54	Tridip Boruah
20	Tilak Handique	55	Wahidur Rohman
21	Surajit Borgohain	56	Kapil Krishna Duwarah
22	Chayanika Dutta	57	Gargi Konwar
23	Rintu Dutta	58	Jyotish Saikia
24	Utpal Konwar	59	Dangjeer Ingti Katharpi
25	Uttam Borah	60	Hazira Ahmed
26	Wahida Begum Choudhury	61	Gyandeep Mech
27	Warisha Rahman	62	Moitree Changmai
28	Yasin Hussain	63	Gautam Pradhan
29	Yasmin Begum	64	Ankita Boruah
30	Yasmin Sultana	65	Kishur Raj Phukon
31	Yeasfin Begum	66	Prity Shikha Buragohain
32	Zahir Hussain	67	Porishmita Phukon
33	Pubalika Tipomia	68	Bornali Phukon
34	Partha Protim Chetia	69	Neha Duwarah
35	Borokha Konwar	70	Sumon Kalyan Gogoi