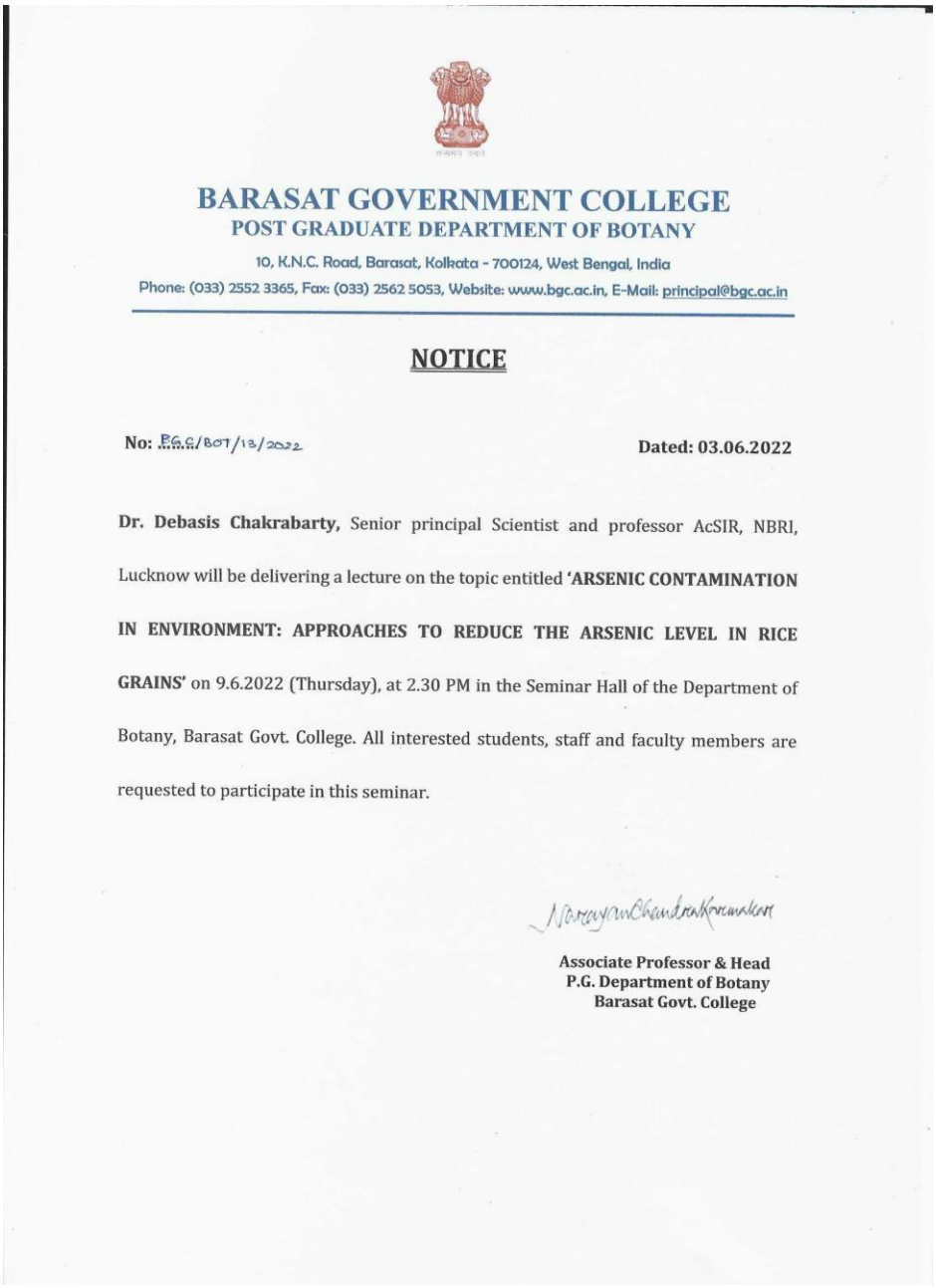
BGC/P.G.DEPARTMENT OF BOTANY/SEMINAR/WORKSHOP

CELEBRATION OF WORLD ENVIRONMENT DAY THROUGH SEMINAR ON 'ARSENIC CONTAMINATION IN ENVIRONMENT: APPROACHES TO REDUCE THE ARSENIC LEVEL IN RICE GRAINS'

Date-9.6.2022

SPEAKER*- Dr. Debasis Chakrabarty-Senior principal Scientist and professor AcSIR, NBRI,Lucknow***.**

Number of Participants-44



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NOTICE

No: P.G.C/BOT/13/2022 **Dated: 03.06.2022**

Dr. Debasis Chakrabarty, Senior principal Scientist and professor AcSIR, NBRI, Lucknow will be delivering a lecture on the topic entitled **'ARSENIC CONTAMINATION IN ENVIRONMENT: APPROACHES TO REDUCE THE ARSENIC LEVEL IN RICE GRAINS'** on 9.6.2022 (Thursday), at 2.30 PM in the Seminar Hall of the Department of Botany, Barasat Govt. College. All interested students, staff and faculty members are requested to participate in this seminar.

Narayan Chandra Karmakar

Associate Professor & Head
P.G. Department of Botany
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Brief Report:

Dr. Chakraborty began by highlighting the significant health risks associated with arsenic contamination in rice, emphasizing the importance of addressing this issue to ensure food safety and public health. The core of the lecture revolved around innovative biotechnological approaches aimed at reducing arsenic levels in rice grains. Dr. Chakraborty elaborated on various strategies such as genetic engineering, biofortification, and phytoremediation, which offer promising solutions to tackle arsenic contamination effectively. He discussed the potential of genetically modified rice varieties with enhanced arsenic uptake efficiency or reduced arsenic translocation to mitigate the risk of arsenic exposure to consumers.

Overall, the seminar provided a comprehensive overview of the challenges posed by arsenic contamination in rice grains and underscored the importance of adopting innovative biotechnological approaches to address this critical issue. Dr. Chakraborty's expertise and engaging presentation style ensured that the audience gained valuable

insights into potential strategies for reducing arsenic levels in rice, thereby contributing to efforts towards ensuring food security and safeguarding public health.

The interactive session that followed the lecture was highly engaging, with active participation from 44 postgraduate and undergraduate students as well as teachers.

As the seminar was organized to celebrate world Environment Day, the main objective was to raise awareness about environmental challenges and encourage action towards ensuring food safety and environmental sustainability.