

ONE DAY NATIONAL SEMINAR On:

GROUNDWATER ARSENIC CONTAMINATION PROBLEM IN GANGA- MEGHNA-BRAMHAPUTRA (GMB) PLAIN: ITS HEALTH EFFECTS, SOCIO-ECONOMIC IMPLICATIONS & MITIGATIONS STRATEGIES

Organised by

DEPARTMENT OF ECONOMICS

VIJOYGARH JYOTISH RAY COLLEGE

In Collaboration With

SCHOOL OF ENVIROMENTAL STUDIES

JADAVPUR UNIVERSITY

Concept Note: The Asian countries especially the GANGA-MEGHNA-BRAMHAPUTRA (GMB) Plain of India and Bangladesh are the worst effected in the world. It appears the good portion of all states and countries in the GANGA-MEGHNA-BRAMHAPUTRA (GMB) Plain, compromising an area over mainly $569749km^2$ and a population over 500million may be at risk from ground water arsenic contamination. The source of Arsenic is mainly geogenic.

The access to safe drinking water is one of the most important determinates of health as well as socio-economic development. The arsenic contamination in lower Gangetic Plain leads to severe health hazards like skin diseases also lead to social problems like exclusions, untouchability and other such social taboos. The children sometimes get dropped out of the school due to exclusion and women are considered as burden as they do not get married and naturally these situations lead to joblessness, acute poverty and unproductiveness of the society.

The efforts extended by the government alone cannot tackle all these problems. Efforts have, therefore, to be made by the private entrepreneurs along with the government to ensure that all the affected habitations of the country have access to adequate, safe and sustainable supply of drinking water. Action is needed to sensitise the community of safe water and its use. Government agencies must create a framework for collective action with NGOs and CIVIL SOCIETY at large.

In this backdrop the seminar has designed to cover the following areas:-

- **Arsenic contaminator in ground water.**
- **Arsenic & Health Impacts**
- **Arsenic contaminator in food chain.**
- **Socio-economic effects of arsenic pollution**
- **Sustainable Technological Solution towards arsenic mitigation**

In this respect the proposed seminar is trying to exchange and get enriched with the ideas from different angles focusing on the different relevant points in order to obtain a holistic view on the issue. For this, interests are being flourishing up among economists, policymakers and administrators about finding out the ways of better understanding as well as sustainable mitigation measures of these problems.

Call for papers

Authors are requested to submit their original research/review works in the form of abstract as well as full length paper on the following topics

- **Arsenic contamination in ground water.**

- Arsenic contamination in food chain.
- Arsenic and health hazards
- Socio-economic effects of arsenic pollution
- Sustainable Technological Solution towards arsenic mitigation.

Papers must be submitted in English but presentation may be in English, Hindi or Bengali. Selected papers among the presented papers in the seminar will be published in a book containing ISBN published by **Vijaygarh Jyotish Ray College** in collaboration with **Kalyani Foundation for Media Science & Community Research**.

Manuscripts should be in electronic form and sent to E-mail: erajournal2014@gmail.com.

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Date of the seminar: 25March, 2019

Deadline:

- ☐ **for Abstract Submissions:** February 10,2019.
- ☐ **for Paper Submissions:** : February 15, 2019

Delegation Fee

- ☐ **for Students / Research Scholar: Rs 750/-**
- ☐ **for Teachers: Rs 1000/-**

The authors are requested to deposit the fee of Rs.1000-/ through NEFT in favour of Vijaygarh Jyotish Ray College, Canara Bank, Bejoygarh College Branch; S.B A/C No. 8566101000001, IFSC: CNRB0008566; MICR Code: 700015056.

☐ **Guideline for Submission of Papers:**

Format of the Papers (to be submitted in MS Word format only):

Authors are requested to include the following in the format of their articles:

1. Full title with subtitle, if any. Times New Roman font, size 14, bold
2. Name, affiliation and email of the author/co-authors
3. An abstract of about 150 words and 5 Keywords
4. Heading, sub headings in Times New Roman font, size 12, bold.
5. Illustrations/graphs/figures should be well incorporated within the main body of the article. Illustrations/graphs/figures are also to be submitted separately in **.tiff format with 600 dpi** resolution.
6. The word-limit for papers should be around 3000 words inclusive of references.

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