UGC Approved Journal No - 40957 ISSN 0974 - 7648

JIGYASA

An Interdisciplinary Peer Reviewed Refereed Research Journal



Chief Editor : Indukant Dixit

Executive Editor: Shashi Bhushan Poddar

Editor : Reeta Yaday

Vol. 12, No. II, March 2019	
JIGYASA, ISSN 0974-7648, Vol. 12, No. II, Mar	642-650
Contamination of Groundwater by Arsenic in Ballia Contamination of Groundwater by Arsenic in Ballia & Ghazipur Districts of Eastern U. P. & Ghazipur Districts of Chemistry, Government Girls Akbare Azam, Department of Chemistry, Government Girls Akbare Azam, Department of Chemistry Mewar	
Akbare Azam, Department P. G. College, Ghazipur, U. P., India P. G. College, Ghazipur, U. P., India Bhupendra Kr. Sarma, Department of Chemistry Mewar University, Gangrar, Chittorgarh Rajasthan University, Gangrar, Chittorgarh Rajasthan Gandhian Swaraj and Swadeshi as a Spiritual and	651-663
Dr. Ujjawal Kumar Singh, Ex-Research Scholar, Departmental Americantak (M.P)	664-669
History, I.G.N. I.G. Process in India Evolution of Democratic Process in India Department of Political	
Anu Priya, Research Scholar, Patha-800005 Science, Patha University, Patha-800005 Right to Education (86th Amendment Act):	670-678
Ashish Alok, UGC NET, M.A. Public Administration (2	679-683
Classical and Popular Music of the Vestiganian Classical and Popular Music Department, Associate Dr. Lalit Malviya, Ex. Head Music Department, Associate College, University of Professor, Arya Kanya Degree College, University of Classical Classical and Popular Music Department, Associate College, University of Classical Classical and Classical Classic	
Allahabad, Allahabad Human Rights and Good Governance Dr. Niraj Kumar, Department of Political Science, Patna	684-693
University, Patna	694-703
Naxalism: A Challenge in Bihar Dr. Shivpriya Sitesh, Ph.D,P.G.D/H.R.D., Department of Political Science, Patna University, Patna	704-713
An Overview to Identifying Binding Constraints on Agriculture Development in Bihar with Special	704-713
Dr. Govind Kumar Jalan, B.R.A. Billar Ollivarian	714-717
New Social Movements in India with Special Reference to Civil Society Dr. Md. Meraj Danapuri, Assistant Professor, Department	714-71
of Political Science, Veer Kunwar Singh Chryster	718-722
Historiography of Dalit Movements in Colonial Indian Rajnish Kumar, Research Scholar & Rajiv Gandhi National	
Fellow, Dept. of History, Rajendra College, Chapra	

Contamination of Groundwater by Arsenie in Ballia & Ghazipur Districts of Eastern U. P.

Akbare Azam +
Bhupendra Kr. Sarma +

Arsenic, a notable and a well-known cancer-causing agent Arsenic, a notative world's most hazardous agent is perceived as one of the world's most hazardous synthetic is perceived as one of synthelic compounds. Soil & groundwater are contaminated by arsenic due to compounds. Soil & groundwater are containing arsenic due to compounds. Sou & grounds of rocks containing arsenic due to weathering or disintegration of rocks containing arsenic sediments weathering or distinct. water floods which carry it to affected areas and its dissolution into water floods which carry it to affected areas and its dissolution into water floods which carry it to affected areas and its dissolution the middle Ganga plain and it has tropical Location of U. P. is in middle Ganga plain and it has tropical Location of U. 1. It has 75 districts which are further divided into monsoon climate. It has been part of U. P. is severely affected by As divisions and tehsils. Eastern part of U. P. is severely affected by As contamination. Many investigation agencies like U. P. Jalnigam UNICEF AND WHO have reported more than 63 ppb As in drinking water of inhabitants which is very fatal for human life. Water sampling data reported high level of As contamination in many districts of eastern U. P. like Ballia, Ghazipur, Varanasi, Chandauli, Siddharthnagar, Gorakhpur, Basti, Lakhimpur Khiri etc. Study of contaminated water samples from villages Haldi, Bairiya, Belhari, Dubhad, Mohan Chapra, Sikandarpur, Dipran kalan, Premchapra & Suremanpur (Ballia district) and villages of Ghazipur district Reotipur, Deokali, Mohammadabad, Karanda, Ghazipur city etc. show variation of As concentration during Pre and Post monsoon seasons.

Keywords: Hazardous, Groundwater, As contamination, Pre and Post monsoon seasons, As concentration.

Introduction: Groundwater is the principal and fundamental wellspring of savoring water townships and furthermore in the greater part of the towns. In this way, pollution of groundwater is taken as a factor of genuine misery. It is the first noteworthy wellspring of water for horticultural, household, business and mechanical purposes in more nations. The age and reason for water

^{*} Department of Chemistry, Government Girls P. G. College, Ghazipur,

^{**} Department of Chemistry Mewar University, Gangrar, Chittorgan Rajasthan