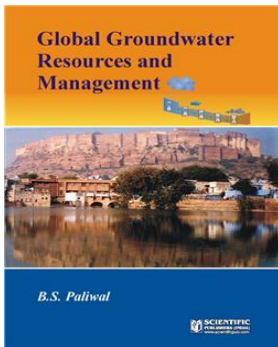


Global Groundwater Resources and Management

[B.S. Paliwal](#)



ISBN	: 9788172336196	Book Format	: Book
E-ISBN	: 9789387869660	Binding	: Hard Bound
Language	: English	Edition	: 1
Imprint	: Scientific Publishers	© Year	: 2017
Pages	: 528	Trim Size	: 6.5 x 9.75 x 2.0
Weight	: 1070 Gms		

Print Book : ~~₹4,650.00~~ **₹4,185.00** 10%Off

Individual E Book : **₹6,045.00**

Institutional E Book : **Price available on request**

Blurb

The book on Global Groundwater Resources and Management has been aimed at growing recognition of depleting world groundwater resources, their contamination, future requirement of the fast growing human population of the world and urgent need of a better groundwater resources management system. The issues are quite complex but now they have crossed all the political boundaries and have become a common cause. The biggest challenge before the scientific community is to integrate valuable scientific advances and technological progress to solve the issue based on holistic and effective sustainable groundwater management. The book comprises the selected papers presented from all over the world at the 33rd International Geological Congress, Oslo, Norway, August 6 -14, 2008. A referee system of high, international standard has been used to review all the papers thoroughly before accepting them for publication. Each paper has been reviewed by at least two internationally recognized subject experts. In many cases as many as 5 or 6 subject experts have been contacted for the review work for a single paper because a much delayed response from the first two reviewers. Fortunately, all of them have sent their review comments simultaneously but at a later date. The book is broadly divided into five sections dealing with key aspects of global groundwater resources and management 1. Groundwater Resources and Management 2. Hydrogeological Conditions, Groundwater Assessment and Modeling 3. Hydrogeochemistry and Contamination of Groundwater Resources 4. Exploitation of Groundwater and its Recharge 5. Hazardous Groundwater Conditions In total 31 research papers from Argentina, Australia, Bangladesh, China, Finland, Greece, India, Italy, Mexico, Netherlands, Oman, Poland, Portugal, Russia, Serbia, Turkey and Uzbekistan were selected from the General Symposium: Hydrogeology of the 33rd I.G.C. Oslo-2008. Reviewers were from countries like Argentina, Bangladesh, China, Finland Greece, India, Indonesia, Italy, Japan, Poland, Portugal, Russia, Serbia, Syria, Thailand, Turkey and Uzbekistan.

Table of Contents

Section - 1. GROUNDWATER RESOURCES AND MANAGEMENT

1. Depleting Groundwater Resources in the Great Thar Desert of India - B.S. Paliwal and S.C. Paliwal
2. Groundwater Management under Hydrogeologic Uncertainty in an Overexploited Aquifer - N. Mylopoulos and P. Sidiropoulos
3. Stages of Alluvial Deposits Development and their Hydraulic Properties - Nagevich P.P. and Chebotareva O.V.
4. Estimation on Groundwater Resources of the Cretaceous System Based on the AutoCAD Technique - L.H. Feng, F.S. Hu and L. Wan
5. Impact of Climatic Change on the Management of Complex Systems: the Case of the Bolsena Lake and its Aquifer, Central Italy - Di Matteo Lucio, Dragoni Walter, Giontella Cecilia and Melillo Massimo
6. Groundwater Resources and its Management for Rational Use: Bangladesh Perspective - Afia Akhtar
7. The Heterogeneity of Water Resources in a Karst Peak Cluster Depression Area - F. Guo, G. Jiang and Y. Lin
8. Two Coastal Aquifers in South Asia and Managements Options - Gunnar Jacks, Mahaad Shammam & Unnikrishnan Warriar
9. Remote Sensing and GIS Approach in Sustainable Development and Management of the Groundwater Resources in Semi-Arid Regions of the Thar Desert, NW India - T.S. Sharma and N.K. Kalra

Section - 2. HYDROGEOLOGICAL CONDITIONS, GROUNDWATER ASSESSMENT AND MODELLING

10. Perennial Alterations of Hydrogeological and Hydrological Conditions in the OB River Basin, Western Siberia, Russia - V.A. Ligotin and O.G. Savichev
11. Groundwater Renewability in the Deep Confined Aquifer, North China Plain - Chen Zongyu Qi Jixiang Wei Wen and Wang Ying
12. Hydrogeological Model in a Test Area of the Alban Hills, Rome, Central Italy - Silvestro Furnari, Lucio Martarelli and Monica Moroni
13. Assessing and Managing the Risk of Groundwater Pollution by Nitrates with the Precautionary Principle - Enrico Cameron, L. Garavaglia, G.F. Peloso, G. Pilla and G. Ciancetti
14. Integrated Approach of Hydrogeomorphology and GIS Mapping to the Evaluation of Groundwater Resources: An Example from the Hydromineral System of Caldas Da Cavaca, NW Portugal - J. Teixeira, H.I. Chamíné, J. Espinha Marques, A. Gomes, J.M.Carvalho, A. Pérez Albertí and F. T. Rocha

15. Public Participation in Measuring the Rainfall Provides Adequate Variability Assessment for Estimation - P.D. Sreedevi and Shakeel Ahmed
16. Aquifer Vulnerability Assessment of Urban Areas Using a GIS-Based Cartography: Paranhos Groundwater Pilot Site, Porto, NW Portugal - Maria José Afonso; Ana Pires; Helder I. Chaminé; José M. Marques; Laura Guimarães; Lúcia Guilhermino and Fernando T. Rocha

Section - 3. HYDROGEOCHEMISTRY AND CONTAMINATION OF GROUNDWATER RESOURCES

- 17 The Age of Deep Aquifers in Milan Province: Development of a New Tritium - I.E.B. Calibration Curve - Maurizio Gorla
18 Geochemistry of Mineral Water and Associated Gases from the Lotus Aquifer, Primorye, Far East Russia - G.A. Chelnokov, N.A. Kharitonova and Y.A. Taran
19 Rare Earth Elements in High Pressure CO₂ Groundwater from Volcanic-Sedimentary Bedrocks of Sikhote-Alin Ridge, Russia - N.A. Kharitonova, G.A. Chelnokov and E.A. Vakh
20 Groundwater Pollution in Gümüşhacıköy (Amasya) Aquifer, Turkey - Dr. Arzu Firat Ersoy
21 Use of Water Quality Index to Evaluate the Influence of Anthropogenic Contamination on Groundwater Chemistry of a Shallow Aquifer, Loures Valley, Lisbon, Portugal - M.C.R. Silva, M.T.D. Albuquerque and L. Ribeiro

Section - 4. EXPLOITATION OF GROUNDWATER AND RECHARGE

22. Pattern of Seepage from Indira Gandhi Canal and Recharging of Groundwater in Parts of the Command Area in Northwestern Rajasthan, India: A Geo-Electrical Resistivity Survey - B.S. Paliwal, K.L. Shrivastava, Alka Baghela and Meeta Khilnani
23. Areal Exploitation of Groundwater in Coastal Dunes, Buenos Aires, Argentina - Carretero Silvina and Kruse Eduardo
24. Change in Flow Velocity Around a Well in a Porous Aquifer after Pumping - Paolo Fabbri
25. Rise in the Groundwater Level in Northwestern Rajasthan, India - A.K. Shandilya and N. Kumar
26. Groundwater Use in the Carpathian-Balkan Region - Zoran Stevanovic
27. Ensuring Sustainable Development of Groundwater in Hard-Rock Aquifers in India by Recharge Augmentation Through Percolation Tanks - The Role of UNESCO-IUGS-IGCP Project 523 'GROWNET' - S.D. Limaye
28. Groundwater Recharge in Mountainous Terrains - Case Study from Sudeten Mountains in SW Poland - Staško S., Tarka R., Olichwer T. and Lubczyński M.W.

Section - 5. HAZARDOUS GROUNDWATER CONDITIONS

29. Assessment of Hydrogeochemical Hazard and Risk in the Urbanized Territories - Galitskaya Irina V., Pozdnyakova Irina A. and Toms Leonid S.
30. Interaction of the Surface Water with the Groundwater in some Cities of Northwestern India: The Issue Becoming A Serious Geohazard - B.S. Paliwal, Arun Vyas, Satish Kaushik, S.K. Trivedi, P.S. Rathore and H. S. Sisodia
31. Combating Negative Impact of Green Revolution on Groundwater, Soil and Land in Haryana, India - S.K. Lunkad and Anita Sharma.

This is computer generated document and does not require signature

Scientific Publishers

Date :- Thu Dec 02 2021