



Marathwada Shikshan Prasarak Mandal's
DEOGIRI INSTITUTE OF ENGINEERING AND MANAGEMENT STUDIES
 (An Autonomous Institute)

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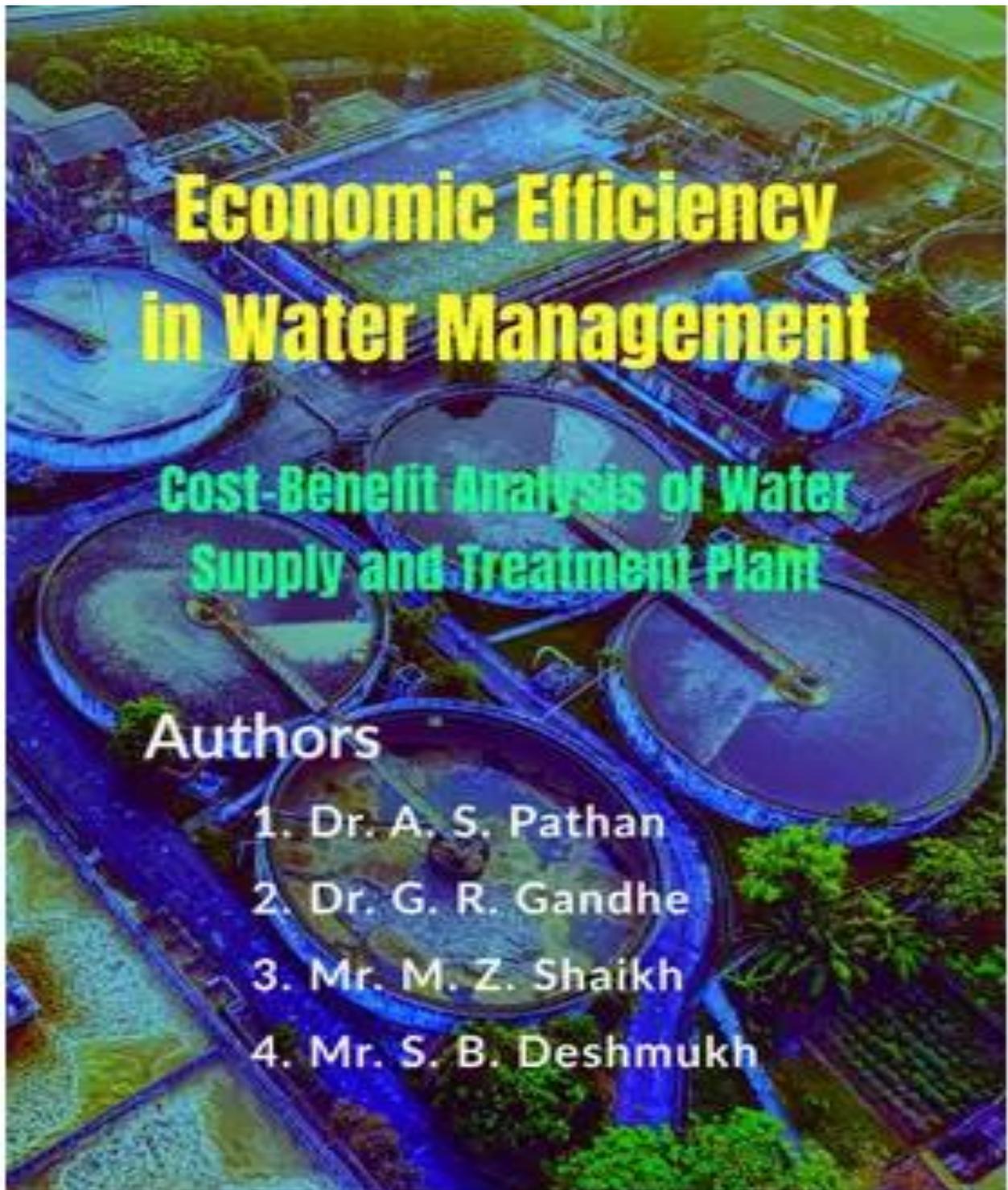
Civil Engineering Department

Books Published/Edited

Sr. No	Name of Book	ISBN	Author	Students Benefited	Link
1	Economic Efficiency in Water Management”, Cost-Benefit Analysis of Supply and Treatment Plant	978-620-8-84750-0	Dr. A.S. Pathan, Dr. G R Gandhe, Mr.M.Z.Shaikh, Mr.S.B.Deshmukh	Third Year & Final Year	https://shorturl.at/TcivK
2	River Contamination and Groundwater Integrity”, An Agricultural Perspective	978-620-6-84404-4	Dr. A.S. Pathan, Dr. G R Gandhe, Dr.S.D.Shinde.	Third Year & Final Year	https://shorturl.at/xuYZk
3	Hydraulics Laboratory Manual, Practical Book with Viva Voce	456710	Dr. A.S. Pathan, Dr. G R Gandhe, Dr.S.D.Shinde	Second Year	https://notionpress.com/read/hydraulics-laboratory-manual
4	Reservoir Water Quality Modelling: Using Artificial Neural Network and Multiple Linear Regression Tool	978-620-8-84750-0	Dr. A.S. Pathan, Dr.S.D.Shinde	Third Year & Final Year	https://www.amazon.in/Reservoir-Water-Quality-Modelling-Artificial/dp/1685380050
5	Analysis of water quality index of Jayakwadi Dam	978-384-7-34561-9	Dr. A.S. Pathan	Third Year & Final Year	https://www.amazon.in/Analysis-Water-Quality-Index-Jayakwadi/dp/3847345613



Fahana
Director



Economic Efficiency in Water Management

Cost-Benefit Analysis of Water
Supply and Treatment Plant

Authors

1. Dr. A. S. Pathan
2. Dr. G. R. Gandhe
3. Mr. M. Z. Shaikh
4. Mr. S. B. Deshmukh

“Economic Efficiency in Water Management”, Cost-Benefit Analysis of Supply and Treatment Plant, ISBN: 978-620-8-84750-0, 2025, Akram Salim Pathan et al.

<https://shorturl.at/TcivK>



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River and groundwater are the major source of water for drinking and irrigation water supply in rural and urban area in the country. Large cities face water quality and quantity problems due to increasing population and improper disposal of solid and liquid waste. Groundwater which is the favorite alternative is facing threats due to anthropogenic activities in India, which has led to deterioration in groundwater quality. Groundwater chemistry depends on a number of factors which includes geology, degree of chemical weathering of the various rock types, quality of recharge water and input from the sources other than water rock interaction and their interaction results in a complex groundwater quality. Pollution is primarily the result of irrigated agriculture, industrialization, and urbanization, which generates diverse waste, with attendant impact on the ecosystem and groundwater. Chemical contamination of river and groundwater is the most serious pollution problem, particularly in arid and semi-arid areas with deficient water resources.



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River Contamination and Groundwater Integrity

An Agricultural Perspective

Pathan, Shinde, Gonde



“River Contamination and Groundwater Integrity”, An Agricultural Perspective, ISBN: 978-620-6-84404-4, 2025, Akram Salim Pathan et al. (<https://shorturl.at/xuYZk>)



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HYDRAULICS LABORATORY MANUAL

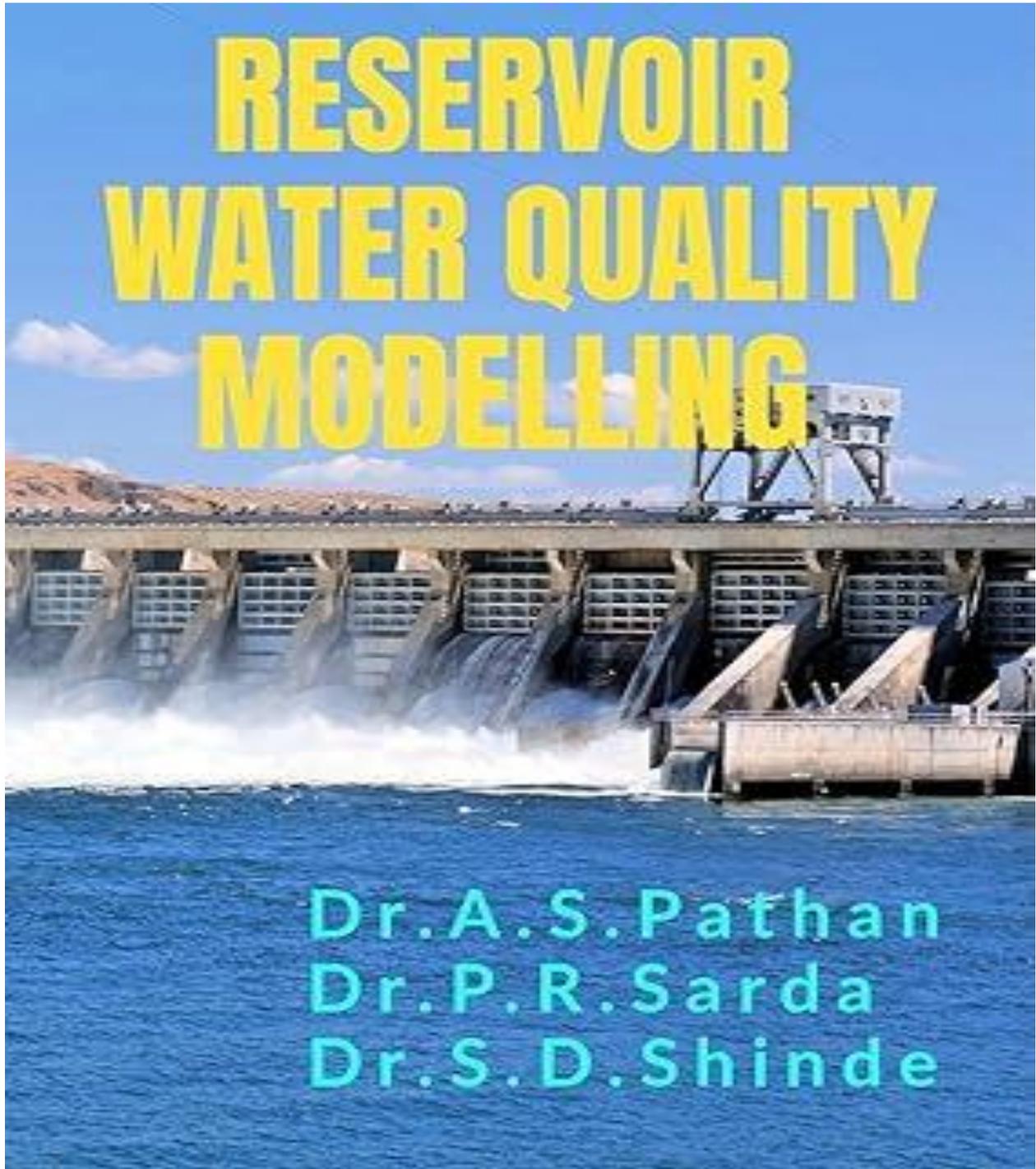
**Practical Book with Viva Voce
(B.Tech. SY)**

As Per DBATU, Lonere

**Dr.A.S.Pathan
Dr.G.R.Gandhe
Dr.S.D.Shinde**



1. Hydraulics Laboratory Manual, Practical Book with Viva Voce, Notion Press; 2nd edition, Chennai, Tamil Nadu, India, ISBN: 456710, [Dr. Akram Salim Pathan](#), [Dr. G R Gandhe](#), [Dr.S.D.Shinde](#).(<https://notionpress.com/read/hydraulics-laboratory-manual>)



“Reservoir Water Quality Modelling: Using Artificial Neural Network and Multiple Linear Regression Tool”, Notion Press Media Pvt Ltd | No,50, Chettiyar Agaram Main Road, Vanagaram, Chennai, ISBN:1685380050, 2021. Dr. Akram Salim Pathan, Dr.S.D.Shinde

<https://www.amazon.in/Reservoir-Water-Quality-Modelling-Artificial/dp/1685380050>


HCED




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Akram Salim Pathan

Analysis of water quality index of Jayakwadi Dam

Controlling water quality index




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