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DVV Clarification

3.3.2. Provide Cover page, content page and first page of Water Pollution/ Water Conservation, QSAR study on Melting Point, Partition cofficient & Aquas soliblity with ISBN numbers, title, author, Department/Signal/Livision/Centre/Unit/Cell, name and year of publications by Milty Klumar Page of Martin Page of Page 1981.



3.3.2 - Index

- 1. Cover page, content page and first page of Water Pollution/Water Conservation.
- 2. Cover page, content page and first page of QSAR study on Melting Point, Partition coefficient & Aqua's solubility with ISBN number, Title, author name and year of publication.

S. No.	Name of the Teache r	Title of Book/ Chapter Published	Title of the Paper	Title of the Proceedi ng of the conferen ce	Name of the Conference	National/ International	Calendar year of Publicatio n	ISSN number of the proceeding	Affiliating institute at the time of Publication	Name of the Publisher
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2	Dr. Manish Rao (Chemis try)		QSAR study on Melting Point, Partitio n cofficie nt & Aquas soliblity	Internati onal Multidisc iplinary Conferen ce on Research , Technolo gy & Engineeri ng	International Multidisciplinary Conference on Research, Technology & Engineering	International	2022	978-93-91535- 28-5	Smt. Kamla Devi Gauridutt Mittal Mahila Mahavidhya laya	KJEI's Trinity Academy of Engineering conferencew orld

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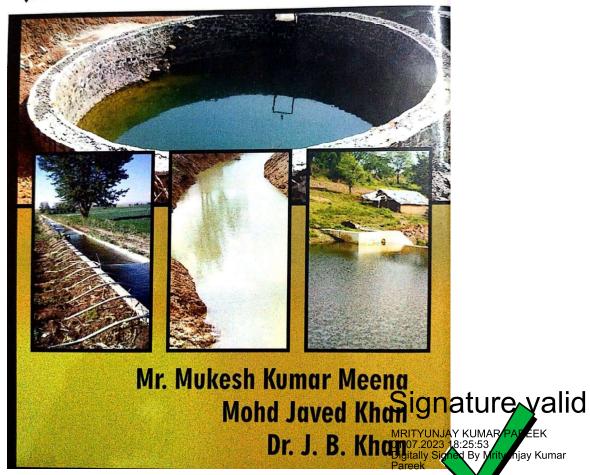
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Dr. Saroj Chahar - Cover Page of Book

Water Conservation

(Present Scenario & Future Strategies)





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Contents

Prefacevii
1. Sustainable Rainwater Harvesting Bodies of The Desert Area of Rajasthan
Mukesh Kumar Meena & J.B. Khan1
2. Impact of Water Management on certain Legume Crops in India: A Review
Praveen Mohil, Prem Singh Meena & Seema Kasliwal11
3. The Traditional Water Harvesting Systems of Rajasthan- A Boon to the Ecosystem of the Thar Desert
Naveen Kumar & J. B. Khan19
4. A Review on Ethnomedicinal Plants of Shekhawati
Region of Rajasthan Saroj Kumari & Aparna Pareek
5. Water Conservation Projects and Methods Adopted in India
Poonam Saini & Hemant Mangal
6. Water Conservation (Present Scenario & Future Strategies)
Amarchand Kumawat
7. Wastewater Treatment: A Review
Anita Jeph and Dr. J. B. Khan70
8. Water Pollution

Yogesh Chahar & Saroj Chahar.....

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First Page of Chapter

8

Water Pollution

Yogesh Chahar & Saroj Chahar

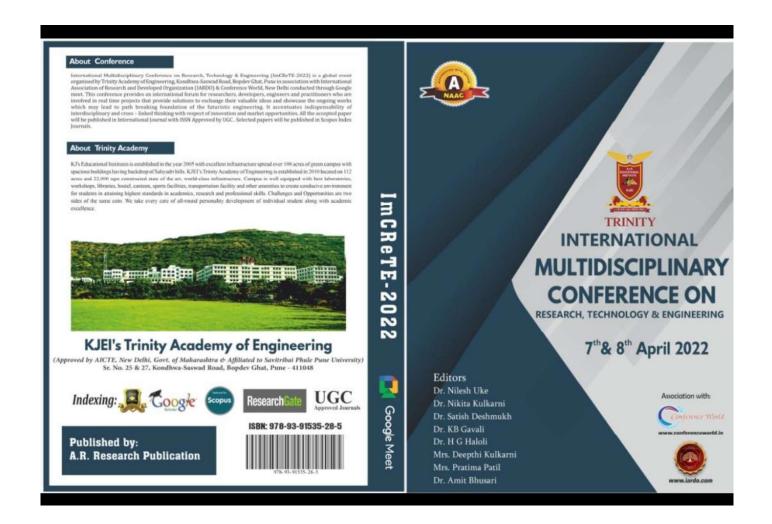
Water is one of the prime necessities of life; we can hardly live for a few days without water. Drinking water are obtained from all sorts of sources, some good, some not well, some bad and some outright dangerous. These are reflected in the health, vitality and longevity of people. The industrial, municipal any agricultural waste containing pesticide, insecticides, fertilizers, residues, organic pollutants and heavy metals in their effluents have been polluted surface and ground water. In India, the industrial effluents have contributed a major source of pollution. The industrial effluents and trade waste of Pulp and paper, distillery fertilizer, electroplating, asbestos, silt, alcohol, detergent, steel, tannery textile, cane sugar, oils, Pesticides and herbicides, radioactive wastes etc. Play a significant contribution in pollution of water. Although water pollution is an age old problem but in this modern age, the problems like population increase, sewage disposal, industrial waste, radioactive waste etc., have polluted our water resources so much so that about 70% rivers and streams not only in India but of all the countries contain polluted water (Kudesia, 1992). The term pollution is derived from the Latin word pollutes (pol means before and lutus means wash).

Pollution can be defined as an undesirable change in the hystature valid chemical or biological characteristics of the air, water of 18072023 18:25:53

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Dr. Manish Rao - Cover Page of Souvenir



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First Page of Article



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QSAR Studies on the Melting Point, Partition Coefficient and Aqueous Solubility.

Dr.Madhu Gupta¹, Bhakti Kumari², Dr.Manish Rao Ambedkar³
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As we know that melting point has numerous applications in biochemical and environmental sciences due to its relationship with solubility. Sufficient aqueous solubility is essential for a compound to be transferred to the site of action within an organism. In the present research work QSPR models of 29 compounds were developed using QSPA multiple linear regression (MLR). The square of correlation coefficient(R^2) for best model with penta molecular descriptors is 0.9311. All value's of best penta perametric model are N=29, SE = (21.0089), R = (0.9649), R² = (0.9311), R²A = (0.8162), F RATIO = (8.1029), Q = (0.0459). The results obtained offers

Introduction

Melting point is a basic physical property that specifies the transition temperature between solid and liquid phases. Melting point has numerous applications in biochemical and environmental sciences due to its relationship with solubility. Sufficient aqueous solubility is essential for a compound to be transferred to the site of action within an organism. In spite of the huge number of available melting point data, few useful guidelines exist for understanding the relationship between the compound melting point and its chemical structure.

exist for understanding the relationship between the compound menting point and its chemical structure. Predicting Melting Points Predicting crystal structures and their physicochemical properties is an important research area. Predicting melting points is one small region of this research area. Melting points are an attractive property as the well established General Solubility Equation (GSE, Equation) 1,2,4 links the melting point solubility with reference to a thermodynamic cycle via a pure melt: this empirically derived relationship has seen wide usage 3, 4, 5. The GSE has been proposed as a way to accurately predict solubility using only two pieces of empirical data; the MP is the melting point, the second logP. Log P can be reasonably predicted by comporting a DExt bit segment and the proposed as a control of the proposed and the proposed and the proposed as a control of the proposed and atom or group 30 For this reason a good prediction of a crystal's melting point could in principle provide a direct useful prediction of a molecule's solubility.

The General Solubility Equation: $\begin{array}{l} log 10S = 0.08 - log 10P - 0.01 \times (MP - 25) \\ log 10S = 0.05 - log 10P - 0.01 \times (MP - 25) \\ \end{array}$

Therefore, methods for estimating the melting point of organic compounds would considerably help medicinal chemists in designing new drugs within a specified range of melting point and solubility. A highly effective tool depending on quantitative structure–property relationship (QSPR) can be utilized to predict melting point for drug-like compounds with no literature values. Table 1: Structure

Sn	Structure	M.P
1	CI H CI H 1,3,5-trichlorobenzene	63.5

383 | Page

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