Asian Journal of Water, Environment and Pollution, Vol. 21, No. 4 (2024), pp. i-iii. DOI 10.3233/AJW240040

Editorial

Welcome to this issue of AJWEP. As one can see, this issue has a number of manuscripts from different regions of the world including Nepal, Iraq, South Africa and Indonesia in addition to some interesting modelling papers from top scientists. Hope you will have good reading.

The environmental problems of the world has no solutions so far in spite of repeated discussion by different stakeholders over long periods. The current flooding happening in many parts of Northeast India and as well as Bangladesh is a worrisome event since it might be climate change driven. How do we move forward on this issue before the next round of flooding or droughts since water is most sensitive to climate change and observations of rate of change in temperature as well as carbon dioxide in atmosphere are a bit alarming for terrestrial existence. Maybe it is a clue that we may have to learn to migrate to another world - may be Mars! Think about it - where are we headed for!

(V. Subramanian) Editor-in-Chief

July 15, 2024

Snapshot 1

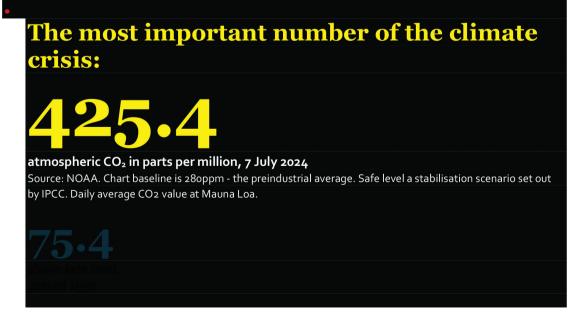


Most Indians want stronger climate action, survey says

Western Ghats

Snapshot 2

Temperatures 1.5C above pre-industrial era average for 12 months, data shows



Contents

| Editorial | i |
|--|-----|
| □ Snapshots | ii |
| Assesement of Surface Water Availability of Kathmandu Valley Using SWAT Model | |
| Madan Pokhrel, Narendra Shakya and Manoj Lamichhane | 1 |
| Water Supply-Demand Forecasting Using the WEAP Model for Kalyan Dombivili City | |
| S.C. Kulkarni and Vikas Varekar | 15 |
| The Impact of Human Activities on Air Pollution in the Fallujah City, Al-Anbar Province – West Iraq | |
| Raya J. Al-Rikabi, Hanan N.W. Alqaralosy and Maitham A. Sultan | 31 |
| Air Quality Index, Personality Traits and Their Impact on the Residential Satisfaction and Quality of Life: An Exploratory Path Analysis Model | |
| Surekha Chukkali, Kritika Rastogi, Ayushi Agrawal, Sonakshi Nayar and Paul Raj | 39 |
| Evaluation of the Adsorption Efficiency of Biopolymer Hydrogel Nanocomposite/Nanoclay in Wastewater Dye Removal | |
| Nadher D. Radia, Shaimaa M. Essa, Aseel M. Aljeboree and Mohammed Abed Jawad | 47 |
| Operational Verification of DC-DC Converters Used in Ecologically Sound Non Polluting Renewable Systems | |
| Raghav Pasrija, Sandeep Banerjee, Kusum Tharani, Tanmay Wadhera, | |
| Saumyae Joshi and Sandeep Sharma | 55 |
| The Impact of Sewage Water Overflow (SWO): An Analysis of Zandspruit River in Cosmo City, Johannesburg, South Africa | |
| T.C. Mavhungu and L.T. Mankga | 63 |
| Long-Term Seasonal and Annual Rainfall Trend Analysis of Giridih District, Jharkhand, India | |
| Bashabi Gupta, Seema Aggarwal and Milu Maria Jose | 73 |
| Mercury Contamination from Artisanal Small-scale Gold Mining Activities in Simpenan District, Sukabumi Regency, West Java, Indonesia | |
| Cut-Dian Nuryanty, Etty Riani, Zaenal Abidin, Surjono-Hadi Sutjahjo and Agung Riyadi | 83 |
| Examining the Effects of Magneto Priming on Rice and Determination of Crop Indices from Absorption Spectrum for Ecological Yield | |
| Preetinder Singh and Himani Goyal Sharma | 91 |
| Aerobic Composting of Organic Waste, Alternative and an Efficient Solid Waste Management Solution | |
| Rafal I. Abbas and Hussein M. Flayeh | 101 |
| Environment News Futures | 113 |