South Asia is facing an unprecedented heat wave early in the summer season of this year. Temperature both in India and Pakistan are well over 40 degrees for most part of this region right from late March to April end of this year. Writing is on the wall—climate change induced warming of air parcels giving rise to high night temperature as well. Add to this war in Ukraine has made global coal trade unsustainable leading to shortage of coal in most power plants in this region. Coal is still the preferred fuel for most of the thermal power plants here and shortages in global supply chain has lead to serious power outings sometimes lasting into hours making life miserable.

Not to be outdone, IPCC report points out to possible extinction of more than 20% of all reptiles such as Cobra, Turtles etc. Thus 2022 is a bad period in modern history of the world. Imagine South Asia without cobra—what will happen to the well known snake charmers of this region? What will happen to the irula tribes of Nilgiris who are famous for catching pythons not only locally but even in Florida wetlands recently?

One positive event is the birth of twin elephant calf in Bandipur forests in southern India last week—elephants rarely give multiple calf since their gestation period is two years! Due to the timely intervention of forests officials, the newly born twins were rescued from water body before their drowning—three cheers to the forest officials by contributing to restoration of endangered elephant population in southern Asia where they are endemic to local climate and forest region!

In this gloomy situation of the earth due to climate change scenario, we have assembled in this issue quite a variety of reviewed high quality research papers.

Have a good reading!

May 4, 2022

(V. Subramanian)
Editor-in-Chief
The forest-dwelling lesser chameleon of Madagascar is threatened by mining and logging.

Mumbai — nearly 1000 buildings and roads will be affected by 2050 due to climate change.
Contents

Editorial

Snapshots

Predicted Rainfall, Surface Runoff and Water Yield Responses to Climate Change in the Phetchaburi River Basin, Thailand

Ketvara Sittichok, Jutithep Vongphet and Ousmane Seidou

An Overview on Chemical Contaminants of Wastewater and Their Current Removal Techniques

Nurul Naqirah Shukor, Nurul Fatehah Roslan, Norizan Mohd Nurazzi, Siti Shazra Shazleen, Mohd Nor Faiz Norrrahim, Victor Feizal Knight and Norazman Mohamad Nor

Leaching of Sulphate From Biochar and Phosphogypsum-Biochar for the Treatment of Acidic Red Soil

Lipsa Panda, Manish Kumar and Abanti Pradhan

Methods for Contaminated Water Biotesting

Shengnu Qiu, Margarita Ivanova, Dmitriy Spitsov and Dmitry Gura

Assessment of Nutrient Contents in River Waters Introduced to Beni Haroun Dam, North East Algeria

N. Bouchareb, W. Boudraa, K. Boudeffa, M. Lalaoui and S. Bousbia

Sawdust as Low-Cost Adsorbents for the Removal of Heavy Metals From Water

Md. Ahmaruzzaman

Guidelines for Effective Industrial Waste Management of the Industrial Business Sectors

Seree Thongkong, Sakrapee Worawattanaparinya and Thanin Silpcharu

Assessment of Seasonal and Spatial Variation of the Organic Carbon and Nutrients in the Ghaghara River Sediment

Nirdesh Kumar Ravi, Sandeep Kumar Gautam, Jaya Tiwari and Pawan Kumar Jha

Current Challenges in Seismic Drilling Operations: A New Perspective for Petroleum Industries

Omar Dheyauldeen Salahdin, Salih Mahmood Salih, Abduladheem Turki Jalil, Surender Aravindhan, Mohammed Mustafa Abdulkadhm and Hui Huang

The Effect of Toxoplasmosis on Pregnant Women and Its Diagnosis by “VIDAS Test of IgG Avidity”

Meena S. Farman and Marwa A. Akoul

Water Quality Assessment Using Multivariate Statistical Techniques: A Case Study of Devika Stream of Udhampur District in Lower Shivalik Region

Monu Kumar, Sandeep Kumar Gautam, Pawan Kumar Jha, Romesh Kumar Atri, Sanjeev Kumar and Jaya Tiwari

Creating a Soil Map Using Digital Soil Mapping on the Example of the Diurtiulinsky Municipal District

Elina Shafeeva, Ilmur Miftakhov, Marat Ishbulatov and Oleg Lykasov
Contents

Household Solid Waste Management in a Developing World: An Overview
  
  Madhumita Ghosh Datta 97

Study Significance of Low Plasma Homocysteine or Hypohomocysteinemia and Some Parameter to Syndrome Associated with COVID-19 in Basrah City, Iraq

  Mohammed Salam Salman, Iqbal J. Alassadi and Ahmed K. Alasadi 103

Environment News Futures 109