LIST OF RESEARCH PUBLICATIONS

List of publications:

Journals:

1. M. K. Rai, B. S. Giri, Y. Nath, H. Bajaj, S. Soni, R. P. Singh, R. S. Singh andB. N. Rai, "Adsorption of hexavalent chromium from aqueous solution by activated carbon prepared from almond shell: kinetics, equilibrium and thermodynamics study." Journal of Water Supply: Research and Technology—AQUA, 67.8, 2018.
2. M.K. Rai, G. Shahi, V. Meena, R. Meena, S. Chakraborty, R.S. Singh, B.N. Rai, "Removal of hexavalent chromium Cr (VI) using activated carbon prepared from mango kernel activated with H_3PO_4". Resource-Efficient Technologies 2 (2016) S63–S70.
3. Akbar Ali A. M, Karthikeyan R. K, Sentamil Selvan M, Mithilesh K. Rai, Madhangi Priyadharshini, Maheswari N, Janani Sree G, Padmanaban V. C & R. S. Singh," Removal of Reactive Orange 16 by adsorption onto activated carbon prepared from rice husk ash: statistical modelling and adsorption kinetics". Separation science and technology. doi.org/10.1080/01496395.2018.1559856.
4. M. K. Rai, B.S. Giri, R. S. Singh, B. N. Rai, Efficient removal of methylene blue from aqueous solution by almond shell activated carbon: Kinetics and equilibrium study. Rasayan Journal of Chemistry. (**Accepted**).

Conferences:

1. M. K. Rai, Y. Nath, H. Bajaj, S. Soni, R. S. Singh, B. N. Rai, Adsorption of hexavalent chromium from aqueous solution by activated carbon prepared from almond shell: Kinetics and equilibrium study.ICCB-2016.VIT Vellore.
2. M. K. Rai, G. Shahi, V. Meena , R. Meena, S. Chakraborty, B. N. Rai, R. S. Singh. Preparation and characterization of activated carbon from mango seed kernel for heavy metal removal from aqueous solution.CHEMCON-2015. IIT Guwahati.
3. Mithilesh Kumar Rai, Asutosh Mishra, B.N. Rai, R.S. Singh Removal of Hexavalent Chromium from Aqueous Solution using Wheat (Triticumaestivum) Bran as Biosorbent. Krishi Sanskriti-Energy Technology & Ecological Concerns-2014.JNU Delhi.