

Dr. Ram Manohar - Senior Lecturer in organic and industrial chemistry

Academic qualifications:

B.Sc., M.Sc., Ph.D. (Chemistry), F.N.C.

Teaching Experience:

- Worked as an assistant manufacturing chemist in several sugar factories (INDIA) in boiling, Laboratory testing and quality control sections
- Worked as a senior Research Fellow on "Protection of Buildings from Vegetative Growth" [C.B.R.I., ROORKEE, (U.P.), INDIA] to check on organic growth i.e. algae and fungi on different types of building surfaces and their preservation by applying appropriate chemical treatments
- Characterization and structural determination of synthesized substituted pyridones, anilides, arylidenes, pyrazoles among others
- Surface water quality appraisal, water quality monitoring (Nairobi River)
- Impact assessment of industrial pollution on KRISHNA RIVER, INDIA and liquid waste management

Publications and patents:

Mbugua G, Mwangi IW, Swaleh S, Wanjau RN, **Ram M** and Ngila JC (2017) Remediation of Fluoride Laden Water by Complexation with Triethylamine Modified Waste Polythene Material; *Mat Sci Ind J.* 2017 Vol: 15(1)

Beatrice.W.Waweru, *Isaac. W. Mwangi, Jane Murungi, Ruth N. Wanjau, T.A.M. Msagati , **Ram Manohar**, (2016); Remediation of Lead, Cadmium and Copper Polluted Waters by Onion Skins (*Allium Cepa*), *International Journal of Agriculture Innovations and Research* Volume 4, Issue 5, 932-944

Wanjau, Ruth N., T. A. M. Msagati and Ram Manohar. (2016) "Remediation of Lead, Cadmium and Copper Polluted Waters by Onion Skins (*Allium Cepa*)". *International Journal of Agriculture Innovations and Research* 4(5): 932-943.

Charles Kamathi Mwangi, Isaac W. Mwangi, Ruth N. Wanjau, Sauda Swaleh, **Manohar Ram** & J.C. Ngila., (2016); Remediation of Fluoride Laden Water by Complexation with Triethylamine Modified Maize Tassels *Environment and Natural Resources Research*(2016) Vol. 6, No. 1; 2016 ISSN 1927-0488 E-ISSN 1927-0496

Thomas Arap Bii, Isaac W Mwangi, Ruth N Wanjau, Sauda Swaleh, **Manohar Ram** and Ngila JC. (2016); Remediation of Some Selected Heavy Metals from Water Using Modified and Unmodified Mushrooms; *Journal of Pollution Effects & Control* 4(2) 1-15

J. Kagai, S. Mpoke, **R. Manohar** and Kenya, E. U. (2008). Diagnosis of *Wuchereria Bancrofti* Infection in Kenya: The potential Application of a Molecular Urine Diagnosis. *J. Nature Conservation*, Vol 20 (2): 327 – 336.

Ambundo T., J. O. Oundo, **R. Manohar**, J, Mbithi and Kenya, E. U. (2008). Impregnated dry Filter paper as an Alternative medium for Transporting Diarrhoeal Stool Samples. *J. Nature Conservation*, Vol 20 (2): 281 – 291.

Kenya, E.U, Okun, D.O., Gachuche, D.N., Abdulahi, A., Abubakar, L.U. and **Manohar, R.;** (2006) Detection and presumptive identification of *Clostridium perfringens* in drinking water; *Aquacult journal* vol. 7(1). 27-36.

Abwao, P and **Ram Manohar** (2005), "Chemistry as Tool in water Treatment". In Abstract Volume of the 5th International Conference of The Kenya Chemical Society. 22nd -26th August, 2005 whose theme was Chemistry- Its Contribution to a Healthy Environment and Socio-Economic Development. Kenyatta University, Nairobi, Kenya.