AJES
ASIAN JOURNAL OF ENVIRONMENTAL SCIENCE
VOLUME 11 | ISSUE 1 | JUNE, 2016 | 64-71
e ISSN-0976-8947
DOI: 10.15740/HAS/AJES/11.1/64-71
Visit us : *www.researchjournal.co.in*
RESEARCH ARTICLE

Effect of hexavalent chromium on yield and biochemical components of *Tagetes erecta* (L.) under Arbuscular mycorrhiza treatment

K. KARTHIK AND P.S. SHARAVANAN

Article Chronicle :
***Received* :**
07.03.2016;
***Revised* :**
02.05.2016;
***Accepted* :**
13.05.2016

ABSTRACT : Degradation of natural environment as particularly soil ecosystem infected from various industrial chemical compounds are discharged into fertile soil and infected seriously on total ecological community of living biosphere. Soil deceit at the confluence of diverse natural systems, soil pollution can be spread to other parts of the natural environment by groundwater, for instance, percolates through the soil and can carry the soil pollutants into streams, rivers, wells and drinking water. Food plants growing on polluted soil may consist of harmful levels of pollutants themselves, and this can be passed on to the animals and people who eat them. The present study concludes that *Tagetes erecta*, (L.) could grow under hexavalent chromium polluted soil of Vellore district and applied different concentration of VAM treatment (Arbuscular mycorrhiza) such as, Control (without VAM treatment), 5g, 10g, 15g, 20g and 25g VAM / kg of soil for reclamation of Cr [VI] infected soil.

HOW TO CITE THIS ARTICLE : Karthik, K. and Sharavanan, P.S. (2016). Effect of hexavalent chromium on yield and biochemical components of *Tagetes erecta* (L.) under Arbuscular mycorrhiza treatment. *Asian J. Environ. Sci.*, **11**(1): 64-71, **DOI: 10.15740/HAS/AJES/11.1/64-71.**

Key Words :
Environment, Industrialization, Ecosystem, Hexavalent chromium, Soil Pollution, VAM

Author for correspondence **:**
K. KARTHIK
Department of Botany, Annamalai University, ANNAMALAI NAGAR (T.N.) INDIA
Email : karthikbotany1@gmail.com
See end of the article for **Coopted authors'**