

4<sup>th</sup> International Conference on **Pollution Control & Sustainable Environment**  
&  
6<sup>th</sup> Edition of International Conference on **Water Pollution & Sewage Management**  
July 26-27, 2018 Rome, Italy

---

**Impacts of oil spill hazards on vulnerable communities: a strategic framework to empower affected population**

**A Fatemi, S Zarei and M Safaei Khorram**

Oshienemen Albert, University Of Huddersfield, UK

**Statement of the problem:** Our climate continues to change due to human induced activities such as: burning of fossil fuels, that is, Sulfur-dioxide emission from the combustion of fossil fuels like coal and petroleum products, pollutions from airplanes, trains and trucks. Hence, these issues of pollution have taken different growing trend as population and technology grows. However, climate change, climate control issues and environmental pollution awareness cannot be over emphasised rather strategic solutions and alternative livelihood support mechanisms needs to be discovered specifically for those suffering from any form of disasters, environmental pollution and damages to sources of livelihood. This study investigates the environmental pollution induced by oil spill hazards from petroleum activities on socio-economic and socio-cultural conditions, relating this to climatic change effect on agricultural activities and creating an alternative livelihood support structures for affected communities in the developing countries. This case study employed twenty key Individual Community Interviews, six environmental expertise representatives from the oil and gas sectors, six representatives from oil spill related agency to find out the various impacts, existing supportive strategies and solutions to the problems, as a means to reduce post environmental impacts on vulnerable populace. This study will propose an alternative scheme to empower communities affected by oil spill hazards and livelihood destructions.

a.fatemi@razi.ac.ir