

## King Khalid University

### College of Engineering/Civil Engineering Department

#### Publication Details 2018-2019

##### Refereed Journal Publications

1. Singh, R.K., Mallick, J. (2019) Fuzzy based Multi-Criteria Method for Sustainable Green Chamber Farming practices in the Kingdom of Saudi Arabia, Indian Journal of Agricultural Sciences/ Indian Council of Agricultural Research (Accepted in Press) (Impact factor (ISI Web of Science) 0.231
2. Ahmed, M.; Qureshi, M.N.; Mallick, J.; Hasan, M.A; Mohamed, M.H. (2019) Decision Support Model for Design of High Performance Concrete Mixtures using Two-Phase AHP-TOPSIS Approach. Advances in Civil Engineering Volume 2019, Article ID 1696131, 8 pages <https://doi.org/10.1155/2019/1696131>. (Impact factor (ISI Web of Science) 0.827
3. Singh, R.K.; Mallick, J; Hasan, M.A; Mohamed, M.H. (2019) Simulation-based ranking of vegetable cash crops for sustainable greenhouse farming practices. Applied Ecology and Environmental Research Volume 17(2):4615-4629. Impact factor (ISI Web of Science) 0.721
4. Warrag, E. I; Mallick, J; Singh, R. K; Khan, R. A. (2019) Status of dieback of Juniperus procera (African pencil cedar) in natural stands and plantation in Alsouda Highlands, Saudi Arabia. Applied Ecology and Environmental Research Volume 17(2) page: 2325-2338. Impact factor (ISI Web of Science) 0.721.
5. Mallick, J.; Singh, C.K.; AlMesfer, M.K.; Kumar, A.; Khan, R.A.; Islam, S.; Rahman, A.(2018) Hydro-Geochemical Assessment of Groundwater Quality in Aseer Region, Saudi Arabia. Water, MDPI. 10, 1847. Impact factor (ISI Web of Science) 2.06.
6. Kumari, B., Mohammad T, Mallick, J., Khan F., Rahman, A. (2018) Satellite-Driven Land Surface Temperature (LST) Using Landsat 5, 7 (TM/ETM+ SLC) and Landsat 8 (OLI/TIRS) Data and Its Association with Built-Up and Green Cover Over Urban Delhi, India. Remote Sensing in Earth Systems Sciences, Springer International Publishing Page 1-16

7. Mallick J., Singh RK, Khan RA, Singh CK., Kahla NB, Warrag EI., Islam S., Rahman A. (2018) Examining the rainfall--topography relationship using non-stationary modelling technique in semi-arid Aseer region, Saudi Arabia, *Arabian Journal of Geosciences* 11-9. <https://doi.org/10.1007/s12517-018-3580-9> Springer Berlin Heidelberg (Impact factor (ISI Web of Science) 0.860).
8. Mallick, J., Singh, R.K., Awadh, M., Islam, S., Khan, R.A., Qurashi, M. (2018) GIS-Based Landslide Susceptibility Evaluation Using Fuzzy-AHP Multi-Criteria Decision Making Techniques in the Abha Watershed, Saudi Arabia, *Environmental Earth Sciences* (Springer) 77: 276. (Impact factor (ISI): 1.77)
9. Adel Djellali . Mohamed Salah Laouar . Behrooz Saghafi . Abdelkader Houam (2019), "Evaluation of Cement-Stabilized Mine Tailings as Pavement Foundation Materials", Vol.31, No.4.
10. Qureshi, M. N., Singh, R. K., Hasan, M. A. *Environ Dev Sustain* (2018), Decision support model to select crop pattern for sustainable agricultural practices using fuzzy MCDM. Published © Springer Science+ Business Media Dordrecht 2017, <https://doi.org/10.1007/s10668-016-9903-7>
11. *Yasser Alashker*, Khalid Elhadi and Mohammad Ismaiel, "Effect of Earthquake loads on School Buildings in the Kingdom of Saudi Arabia" *civil engineering journal*, Jan (2019) -<http://dx.doi.org/10.28991/cej-2019-03091232>.
12. El Ouni M. H., Laissy M.Y., Ismaeil M, Ben Kahla N. (2018), Effect of Shear Walls on the Active Vibration Control of Buildings Buildings, 8(11), 164 (Scopus; Emerging citation expanded).
13. Warrag E. L., Mallick J, Singh R.K., Khan R. A," Status of *Juniperus Procera* (African Pencil Cedar) in Natural Stands and Plantation in Alsouda Highlands, Saudi Arabia," *Applied Ecology and Environmental Research*, <http://www.aloki.hu> ISSN 1589 1623 (Print) ISSN 1785 0037 (Online)DOI: [http://dx.doi.org/10.15666/aeer/1702\\_23252338](http://dx.doi.org/10.15666/aeer/1702_23252338) (Impact Factor: 0.721)

14. Javed Mallick, Ram Karan Singh, Mohammed A Alawadh, Saiful Islam, Roohul Abad Khan, Mohammed Noor Qureshi,” GIS-based landslide susceptibility evaluation using fuzzy-AHP multi-criteria decision-making techniques in the Abha watershed, Saudi Arabia,” *Environmental Earth Sciences*, (77:276) 2018. Available Online at: <https://link.springer.com/article/10.1007/s12665-018-7451-1> (Impact Factor: 1.43).
15. *Sivakumar Anandan, Saiful Islam and Roohul Abad Khan (2019),Effect of Steel fibre profile on the fracture characteristics of steel fibre reinforced concrete beams, Journal of Engg. Research, Vol. 7 No. (2) June 2019 pp. 134-153. ISI Thomson Reuters,*
16. *Sivakumar Anandan, Saiful Islam and Roohul Abad Khan (2018),Characteristics of Steel Fibre Reinforced High Strength Concrete Beams: Efficiency in Size Reduction for Flexure, Engineering Journal, Volume 22 Issue 4, pp. 191-208. ISI Thomson Reuters (ESCI).*
17. Jamil, B., Irshad, K., Algahtani, A., Islam, S., Ali, M. A., & Shahab, A. On the calibration and applicability of global solar radiation models based on temperature extremities in India. *Environmental Progress & Sustainable Energy*.

### **Book Chapter**

1. Mallick, J., Hang, T.H., (2018). Landscape Pattern and Dynamics in a Fast-Growing City, Khamis-Mushyet, Saudi Arabia, Using Geoinformation Technology. Book Chapter *Geospatial Applications for Natural Resources Management*, ISBN 9781138626287 - CAT# K31836. Publisher CRC Press Taylor & Francis Group

### **Conference Publications**

1. Mallick, J., Khan, R.A., Hasan, M.A., Singh, R.K. (2019) Mapping of Groundwater Potential Zones in the Itwad-Bisha Basin of Aseer Region using Remote Sensing Data and GIS. Research Day on Environmental and Renewable Energy, Organized By Deanship of Research, King Khalid University, KSA, April 4, 2019.
2. Mohd Saleem, Shobha Ram, Gauhar Mahmood, Mohd Abul Hasan, Mohd Waseem (2019), Aquifer Modelling in Greater Noida Region (U.P.) using MODFLOW, International Conference on SMART CITIES: Opportunities and Challenges, Organized by: Department of Civil Engineering, Jamia Millia Islamia, New Delhi-INDIA, March 15-16, 2019.
3. Abdul Rehman, Mohd Abul Hasan and Mohammad Sharif, (2019), Role of Water Resource Management in smart cities, International Conference on SMART CITIES: Opportunities and Challenges, Organized by: Department of Civil Engineering, Jamia Millia Islamia, New Delhi- INDIA, March 15-16, 2019.
4. Monji Zaidi, Imen Bouazzi, Mohammed Usman, M.Z Shamim, *M.H Elouni*. Energy Efficiency mechanism for Wireless Sensor Networks. The 14th Annual Research day, College of Engineering, King Khalid University, 4th April 2019, Abha, KSA.
5. Elouni M. H., Ben Kahla N., Ahmed M., Ayed H., Kessentini A., Active Bracing Control of High Rise buildings in Kingdom of Saudi Arabia under seismic excitations. The 14th Annual Research day, College of Engineering, King Khalid University, 4th April 2019, Abha, KSA.
6. Mallick, J., Khan, R.A., Hasan, M.A., Singh, R.K. (2019) Mapping of Groundwater Potential Zones in the Itwad-Bisha Basin of Aseer Region using Remote Sensing Data and GIS. Research Day on Environmental and Renewable Energy, Organized By Deanship of Research, King Khalid University, KSA, April 4, 2019.
7. Roohul Abad Khan, *Sivakumar Anandan* and Rachida El Morabet, "Sustainable Performance Characteristics of Glued Steel Fibre in Different Grades of Concrete,"

Challenges in Developing Sustainable Infrastructure, Kuwait, April 23-25 2019.<https://infrastructureconferencekw.org/>.

8. *Sivakumar Anandan*, Linear Crack Simulation in Concrete Beam Using Finite Element Modelling, The 14th Annual Research day, College of Engineering, King Khalid University, 4th April 2019, Abha, KSA.
9. Rachida El MORABET, Roohul Abad KHAN, Nadeem A Khan, Sirajuddin AHMED, Aastha DHINGRA,” Sequencing Fluidized Aerobic Batch Bio-Reactor and Sequencing Batch Reactor Performance Evaluation For Hospital Wastewater Treatment,” 4th International Conference on Civil and Environmental, Geology and Mining Engineering, Trabzon, Turkey, 20-22 April 2019. <http://www.icocem.org/>
10. Roohul Abad Khan, Rachida El Morabet and Amadur Rahman Khan,” Development of Sustainable soft flooring material to reduce fall injuries,” The Eighth International Congress Design and Modelling of Mechanical Systems, Hammamet Tunisia, March 18-20, 2019.
11. Nadeem A. Khan, Rachida El Morabet, Roohul Abad Khan, Sirajuddin Ahmed, Aastha Dhingra and Amadur Rahman Khan,” Comparative study of treatment and performance in membrane bioreactor and sequencing batch reactor for hospital wastewater in smart cities “International Conference Smart Cities Opportunities and Challenges, Department of Civil Engineering, Faculty of Engineering and Technology, Jamia Millia Islamia, New Delhi India, March 14-16, 2019. <http://sub.smartcitiesjmi.com/>.
12. Adel Djellali, Med Salah Laour, and Abdelkader Houam (2018), “Geotechnical Mapping of Clayey Subgrade Soils Characteristics: A Case Study from Tebessa City (Algeria)”, Recent Advances in Geo-Environmental Engineering, Geomechanics and Geotechnics, and Geohazards pp 247-250.

13. Med Salah Laouar, Adel Djellali and Abdelkader Houam (2018), “ Experimental Investigation of the Effect of Internal Erosion on the Behavior of Collapsible Soils”, *Recent Advances in Geo-Environmental Engineering, Geomechanics and Geotechnics, and Geohazards*, pp 141-144.
14. Abir Mouldi, Khaled Mohamed Khedher, Hamdi Ayed. “Urban Growth and its Impact on Groundwater resources using Remote Sensing, GIS and Geo-Statistics: A case Study of Al Ahsa Municipality in Eastern Province – Saudi Arabia”. The 14th Annual Research day, College of Engineering, King Khalid University, 4th April 2019, Abha, KSA.
15. Hamdi Ayed, Khaled Mohamed Khedher, Sivakumar Anadan, Abir Mouldi. “3D Modelling using Finite Element Method of Hollow Core Precast Unit to Support Modern Building Techniques in Saudi Arabia”. The 14th Annual Research day, College of Engineering, King Khalid University, 4th April 2019, Abha, KSA.