Abeer Albalawneh

Nationality: Jordanian

Date of Birth: 27 December, 1972

Place of Birth: Alsalt -JORDAN

Gender: Ms.

Mobile: +962 791414526

Email: aberfer@yahoo.com

Experiance

1998 - 2013 Research projects coordinator and environmental researcher in the field of non-conventional water reuse at the water management and environment Directorate-
National Agricultural Research Center (NARC)

2016 - Present Expert researcher in the field of the environment-
National Agricultural Research Center (NARC)

2018 - Present The Head of Ecosystem Research Department at the Environment and Climate Change Directorate,National Agricultural Research Center (NARC)

International Awards

2014 The best oral presentation in the PAWEES 2014 International conference, 30-31 Oct. Kaohsiung, Taiwan.

National Awards

2016 The unique agricultural scientific paper in Jordan during 2016. Alblqa Applied University.

2017 The best research in the field of natural resource and environment. The Jordanian Agricultural Engineer Association Award for Scientific Research and Extension 2017.

Research Projects Funded by International Organizations

Ecosystem Services Evaluation, using multi national/international lens" Research project (2018-2023).the project currently implemented at NARC and funded from USAID.

Community-based Reuse of Greywater in Home Farming research project" which was implemented in Lebanon, Tunisia, Egypt and Jordan in cooperation between the International Center for Agricultural Research in the Dry Areas (ICARDA) and NARC during (2009-2013).

constructed wetlands combined with UV disinfection systems for removal of enteric pathogens and wastewater contaminants" at CARDNE - Jordan.(2011-2013),funded from the USAID.

Treatment and reuse of wastewater in agricultural production program", the program was financed by USAID under the umbrella of MERC projects, and implemented in Al-Baqa and Ramtha NARC research station. The duration of the project was 3 years (2004-2007).

Arab Fund for Economic & Social Development IFSAD and NARC implement a greywater project during (2005-2006). The aims of this project were to use greywater for agricultural irrigation and study its environmental impacts and increase local family income by increasing the productivity of household garden.

Use of Constructed Wetlands System to Improve Treated Wastewater Quality" it was executed at the NARC during (2002-2005). The project aimed to enhance the quality of treated wastewater and reuse it in a safe and sustainable way.

Research Projects Funded by National Organizations

"The Potential Use of Recycled Vertical Flow Bioreactor (RVFB) to Recycle Greywater for Irrigation in Jordan" the project implemented in cooperation between the Alblqa Applied University and NARC during (2009-2012).

reuse of greywater in home garden level at south governorate", a project that implemented in cooperation between ministry of agriculture and NARC during (2007-2010).

Publications Refereed Journals

1. Abeer Albalawneh and Nicola Perilli. The Efficiency of the Natural Decentralized Grey-water Treatment Systems in resolves the wastewaters problems in the rural areas of developing countries. The Springer book series “Advances in Science, Technology and Innovation”. 2019 accepted under the press procedure.

2. Nicola Perilli, Simone Gorelli and Abeer Albalawneh. The Ground Water Potential of a key junction zone between the Afar Rift Floor and Western Afar Margin of Ethiopia. The Springer book series “Advances in Science, Technology and Innovation”. 2019 accepted under the press procedure.

3. Naoum, S., A. Albalawneh, S. Ayoub, M. Diab, I. Amayreh, M. Ammoush, B. Kawaleet, and L. Daoud. "Productivity of water, growth and yield of olive trees under deficit irrigation." In VIII International Olive Symposium 1199, pp. 261-266. 2018.

4. Abeer Albalawneh, Tsun-Kuo Chang, Heba Alshawabkeh : Greywater Treatment by Granular Filtration System Using Volcanic Tuff and Gravel Media. Water Science and Technology; Feb 2017, wst2017102; DOI: 10.2166/wst.2017.102

5. Abeer Albalawneh, Tsun-Kuo Chang, Samia Akroush: Reuse of Treated Greywater for Home Garden Irrigation: Understanding User Experiences. Taiwan Water Conservancy 03/2016; 64(1):1-11.

6. Abeer Albalawneh, Tsun-Kuo Chang, Chi-Su Chou, Sireen Naoum: Efficiency of a Horizontal Sub-Surface Flow Constructed Wetland Treatment System in an Arid Area. Water 02/2016; 8(2):51. DOI:10.3390/w8020051

7. Abeer Albalawneh: Review of the Greywater and Proposed Greywater Recycling Scheme for Agricultural Irrigation Reuses." International Journal of Research - granthaalayah 12/2015; 3(12):16-35.

8. Abeer Albalawneh, Tsun-Kuo Chang, Chun-Wei Huang, Safa Mazahreh: Using Landscape Metrics Analysis and Analytic Hierarchy Process to Assess Water Harvesting Potential Sites in Jordan. Environments 09/2015; 2(3):415-434. DOI:10.3390/environments2030415

9. Abeer Albalawneh, Tsun-Kuo Chang, Chi-Su Chou: Impacts on soil quality from long-term irrigation with treated greywater. Paddy and Water Environment 06/2015; DOI:10.1007/s10333-015-0499-6

10. Al-Zu’bi, Y., Ammari, T. G., Al-Balawneh, A., Al-Dabbas, M., Ta’any, R., & Abu-Harb, R. (2015). Ablution greywater treatment with the modified re-circulated vertical flow bioreactor for landscape irrigation. Desalination and Water Treatment, 54(1), 59-68.

11. Tarek G. Ammari, Yasin Al-Zu’bi, Abeer Al-Balawneh, Ragheb Tahhan, Muhamad Al-Dabbas, Rakad A. Ta’any, Raihan Abu-Harb: An evaluation of the re-circulated vertical flow bioreactor to recycle rural greywater for irrigation under arid Mediterranean bioclimate. Ecological Engineering 09/2014; 70:16–24. DOI:10.1016/j.ecoleng.2014.03.009

12. Boufaroua, Mohammed, Abeer Albalawneh, and Theib Oweis. "Assessing the efficiency of grey-water reuse at household level and its suitability for sustainable rural and human development." British Journal of Applied Science & Technology 3.4 (2013): 962.

13. Azaizeh, H., Linden, K. G., Barstow, C., Kalbouneh, S., Tellawi, A., Albalawneh, A., & Gerchman, Y. (2012). Constructed wetlands combined with UV disinfection systems for removal of enteric pathogens and wastewater contaminants. Water Science and Technology, 67(3), 651.

14. Mahmoud I. Safi, Bulad Ahmed, Blawenah Abeer, Bashabsheh Ibrahim: Water Use Efficiency and Flower Yield and Quality of Three Matthiola incana Cultivars Irrigated with Three Types of Water. Asian Journal of Plant Sciences 04/2007; 6(4). DOI:10.3923/ajps.2007.648.652

15. Safi, M. I., A. Bulad, A. Blawenah, and I. Bashabsheh. "Water use efficiency, flower yield and quality of Lilium aziatische irrigated with different water types." International Journal of Agriculture and Biology (2007).

16. Safi, M. I., A. Fardous, M. Muddaber, S. El-Zuraiqi, A. Balaweneh, L. Al-Hadidi, and I. Bashabsheh. "Long term effects of reclaimed water on rose and carnation cut flower crops in soil and soilless media." Journal of Applied Sciences 7, no. 8 (2007): 1191-1198.

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10. Al-Zu’bi, Y., Ammari, T. G., Al-Balawneh, A., Al-Dabbas, M., Ta’any, R., & Abu-Harb, R. (2015). Ablution greywater treatment with the modified re-circulated vertical flow bioreactor for landscape irrigation. Desalination and Water Treatment, 54(1), 59-68.

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Publications Books and Booklet

A. Albalawneh, M. Boufaroua. 2012: Community-based interventions for productive use of Greywater at Home Farming. Booklet under the Jordanian registration number 2012/6/2338, In Arabic Language.

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A. Albalawneh, M. Boufaroua. 2012: Community-based interventions for productive use of Greywater at Home Farming. Booklet under the Jordanian registration number 2012/6/2338, In Arabic Language.

Publications Books and Booklet

A. Albalawneh, M. Boufaroua. 2012: Community-based interventions for productive use of Greywater at Home Farming. Booklet under the Jordanian registration number 2012/6/2338, In Arabic Language.

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A. Albalawneh, M. Boufaroua. 2012: Community-based interventions for productive use of Greywater at Home Farming. Booklet under the Jordanian registration number 2012/6/2338, In Arabic Language.

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Publications Books and Booklet

A. Albalawneh, M. Boufaroua. 2012: Community-based interventions for productive use of Greywater at Home Farming. Booklet under the Jordanian registration number 2012/6/2338, In Arabic Language.

Editorial Board Member

Editorial Board Member;Probe-Soil Science,universe scientific publications.

Reviewer

French Reed Bed as a solution to minimize operational and maintenance costs of wastewater treatment from small settlement: an Italian example. Water journal.

Corn straw as the solid carbon sources for treatment of agricultural drainage water in horizontal subsurface flow constructed wetlands. Water journal.

Contested waterscapes: irrigation and hydropower in the Great Ruaha River Basin, Tanzania. Agricultural water management journal.

Extended Use of Greywater for Irrigating Home Garden in An Arid Environment. Environmental Science and Pollution Research journal.

Study of Heavy Metals Accumulation and Residual Toxicity in Soil Saturated With Soil Phosphates Processing Wastewater. Water, Air, and Soil Pollution journal.

The National Fund for Scientific and Technological Research (FONDECYT), research project evaluation.

Patent of Invention

Household Greywater Treatment Using a Natural Multistage Filtration Method.2018, under the registration process.

Consultancy Missions

WorldVison- Consultant for Engineering Services- provide technical expertise for the wastewater reuse in agriculture pilot project activities in the Canadian government funded World Vision's Protection, Education and Renewable Energy (Nour) project.2017.

Regional Center on Agrarian Reform and Rural Development for Near East (CARDNE) - Jordan. coordinate a research project in the title of "constructed wetlands combined with UV disinfection systems for removal of enteric pathogens and wastewater contaminants"

Training Courses

International training of trainers on wetland management. 08/06/2009 to 26/06/2009. Wageningen International, Netherlands.

Certified Agricultural Irrigation Specialist (CAIS) Training Workshop. May 27-28, 2006. International Irrigation Center and department of Biological and Irrigation Engineering of Utah State University. Held in Amman, Jordan.

Strategic planing in the governmental institutions.Jordan-Amman,2018.

Recycling of Wastewater and Biosolids: Maximizing and Safety. June7-10, 2004. The University of Arizona, International Arid Lands Consortium. Held in Amman, Jordan.

Preparation of Environmental Impact Assessment Report. Feb. 18-24, 2003, Jordan Environment Society (JES). Amman, Jordan.

Environmental Impact Assessment. May 8 to June 14, 2002. Japan International Cooperation Agency (JICA). Japan.

Languages

Arabic: Mother Tongue

English: Very Good