Haider S. Almnehlawi

Curriculum Vita

Office

Department of Biology

College of Science

Al-Muthanna University

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Education

2020 Rutgers, the state university of New Jersey, New Brunswick, NJ 08901

Ph.D. Environmental Sciences / Environmental Microbiology

2018 Rutgers, the state university of New Jersey, New Brunswick, NJ 08901

M.Sc. Environmental Sciences / Environmental Microbiology

2008 University of Baghdad, College of Science, Baghdad, Iraq.

M.Sc. Biology / Ecology.

2004 University of Baghdad, College of Science, Baghdad, Iraq.

B.Sc. Biology / Microbiology.

Teaching and administration experience

- Assistant lecturer, environment and pollution department, department of Biology / College of Science / Al-Muthanna University, Iraq. (2008-present).
- Undergraduate director, environment and pollution department / College of Science / Al-Muthanna University, Iraq. (2010-1012).
- Teaching Assistant, Department of environmental sciences, Rutgers University, USA (2018-2020).
- Administration and organizing committees, Al-Muthanna University. (tens of committees, 2008- present).

Courses Taught

- Water pollution.
- Air pollution.
- Principles of Ecology.
- General Biology (Zoology, Botany).
- General Microbiology.
- Plant groups.
- Bioenvironmental engineering I.
- Bioenvironmental engineering II.
- Ecology and pollution.

Publications

- Dean, R. K., C. R. Schneider, **H. S. Almnehlawi**, K. S. Dawson, and D. E. Fennell. 2020. "2,3,7,8-Tetrachlorodibenzo-p-dioxin Dechlorination is Differentially Enhanced by Dichlorobenzene Amendment in Passaic River, NJ Sediments." *Environmental Science & Technology* 54 (13):8380-9. doi: 10.1021/acs.est.0c00876.

- Alsaadawi, Mohenned, **Haider S. Almnehlawi**, and Ali M Al-Yasari. 2019. Investigation of Bacterial and Parasitological Contamination in Buffalo's Milk Cream (Arab Cream) in Alsamawa City, Iraq 9 (52) 16216 – 16221.

- Al-Fanharawi, A. A., Lazam, O. S., **Almnehlawi, H. S.** (2012). Study of environmental awareness for Samawa city population about Population Growth Rate (PRC) and its impact on preserving environment. Journal of college of education for pure sciences 8 (2) 273-281.
- **Almnehlawi, H. S**. (2012). Evaluation quality of bottled drinking water sold in Samawa city-Iraq. Almuthanna journal of pure science 2 (1) 99-114.

- Al-Gazaz, M. M. Kadhem, A.A; **Almnehlawi, H. S.** (2012) Evaluation Suitability of Ground Water for selected wells (from al-Khidher district –Al-Muthanna Governorate –Iraq) to drinking purposes. International Journal for Environment and Water1(2):204-217.

Conferences

- **Almnehlawi H.S.,** Capozzi,S. Rodenburg, L.A and Fennell, D.E. 2017. Biodegradation of Lightly Chlorinated Dioxins by Dibenzofuran-Degrading Bacteria Isolated from Contaminated Sediments. A poster presentation in Microbiology symposium, Rutgers university. February 2-3-2017. New Brunswick, NJ, USA.
- Schneider,C., Caba, R., Ogungbile,S. **Almnehlawi, H.S.,** Zhen,H. Liu,J., Rodenburg,L. and Donna E. Fennell. 2017**.** Enrichment of Dehaloccocoides sp. to Reductively Dechlorinate Lightly Chlorinated Dibenzo-p-Dioxins in Aquatic Sediments. A poster presentation in Microbiology symposium, Rutgers university. February 2-3-2017. New Brunswick, NJ, USA.
- **Almnehlawi H.S.,** Capozzi,S. Rodenburg, L.A and Fennell, D.E. 2017. Transformation of Lightly Chlorinated Dioxins by Dibenzofuran Degrading Aerobic Bacteria from Aquatic Sediments. A talk presentation in Battelle (Fourth International Symposium on Bioremediation and Sustainable Environmental Technologies) May 22-25-2017. Miami, FL, USA.
- Schneider, C. Krumins V., **Almnehlawi, H.S.,** Rodenburg, L. and Fennell, D.E. 2017. Stimulation of Dechlorination of Lightly Chlorinated Dibenzo-p-Dioxins in Aquatic Sediments. A talk presentation in Battelle (Fourth International Symposium on Bioremediation and Sustainable Environmental Technologies) May 22-25-2017. Miami, FL, USA.
- **Almnehlawi, H.S.,** Joseph Dallmeyer, Jing Zhang, Rachel Dean, Frank Burns, Han Hua, Xin Yin, Lisa Axe and Donna E. Fennell. Biodegradation and Bioaugmentation of Aniline and para-Chloroaniline at a Contaminated

Chemical Manufacturing Site in Southern Jersey. A presentation in Battelle Sediment conference. February 11-14, 2019 | New Orleans, Louisiana

- **Almnehlawi, H.S.,** Joseph Dallmeyer, Jing Zhang, Rachel Dean, Frank Burns Han Hua, Xin Yin, and Lisa Axe Donna Fennell. Biodegradation of Aniline and p chloroaniline under Different Redox Conditions. A poster presentation in poster competition symposium sponsored by northern and central New Jersey chapter of air and waste management association and Rutgers, department of environmental sciences February, 27-2019. (Awarded poster).
- **Almnehlawi H.S.,** Rachel K. Dean, Staci L. Capozzi, Lisa A. Rodenburg, Gerben J. Zylstra, and Donna E. Fennell. Aerobic Degraders of Dibenzofuran and Dibenzo-p-dioxin in the Passaic River and Characterization of Their Functional Genes. A poster presented at ASM microbe conference June 20-24, 2019 San Francisco, CA. USA.
- Dean, R.K; Schneider, C.R.; **Almnehlawi, H.S**.; Dawson, K.S.; and Fennell, D.E. 2020 2,3,7,8-Tetrachlorodibenzo-p-dioxin dechlorination is differentially enhanced by dichlorobenzene amendment in Passaic River, NJ sediments. *Environmental Science and Technology,* 54, 13, 8380–8389.
- Fennell, D.E., Dean, R.K., Schneider, C. and **Almnehlawi, H.S.** 2019. Dechlorination of Legacy 2, 3, 7, 8-Tetrachlorodibenzo-p-dioxin in Sediments of a Highly Contaminated Urban River. Platform presentation at the *American Geophysical Union Fall Meeting 2019*. 9-13 December, San Francisco, CA, USA.
- Dean, R.K., Schneider, C. **Almnehlawi, H.S.** and Fennell, D.E. 2018. Stimulation of dechlorination of lightly chlorinated dibenzo-p-dioxins in aquatic sediments. Platform presentation at the Northeast Microbiologists:

Physiology, Ecology and Taxonomy (NEMPET) in Blue Mountain Lake, New York. June 22nd -24th, 2018

- Schneider,C., Caba, R., Ogungbile,S. **Almnehlawi,H.S**. *Zhen, H. Liu, J., Rodenburg, L. and D. E. Fennell. 2017. Enrichment of Dehaloccocoides sp. to Reductively Dechlorinate Lightly Chlorinated Dibenzo-p-Dioxins in Aquatic Sediments. A poster presentation in Microbiology symposium, Rutgers university. February 2-3-2017. New Brunswick, NJ, USA.
- Dean R.K., Schneider C.R., **Almnehlawi H.S.**, Fennell D.E. Dioxin dechlorination in Passaic River sediment microcosms. Federation of European Microbiological Societies (FEMS) 8th Congress of European Microbiologists in Glasgow, Scotland. July 7-11th, 2019
- Dean R.K., Schneider C.R., **Almnehlawi H.S.,** Fennell D.E. Dioxin dechlorination in Passaic River sediment microcosms. Superfund Research Program 2018 Annual Meeting in Sacramento, California. November 28th-30th, 2018
- Dean R.K., **Almnehlawi H.S.,** Zhang J., Dallmeyer J., and Fennell D.E. Holistic Approach to Pinpointing Zones of Bioremediation Potential. Dupont-Dow-Chemours NJIT Meeting in Newark, New Jersey. July 17th, 2018

Training and Memberships

- Member, Theobald smith society, ASM, New Jersey branch. 2019.
- Member, American Association for Microbiology ASM.2016 and 2019.
- Biological Safety Course .2014 Rutgers Environmental Health and Safety.

- Member in protect environment council - Al-Muthanna province council (represent Al-Muthanna university) (2009-2012).
- Training Courses in Computer for scientific promotion course (Windows, Excel, Word, power point) from Computer Center –Baghdad University. (2009).