ACADEMIC

CURRICULUM VITAE

1. Name - Surname: Filiz Al Shanableh

2. Title: Assoc. Prof. Dr

3. Educational Background:

Degree	Department/Program	University	Year
Bachelor's	Chemical Engineering	Middle East Technical University	1992
Master's	International Relations	Near East University	1996
Master's	Electrical and Electronics Engineering	Near East University	2005
PhD	Mechanical Engineering	Near East University	2017

4. Master's / PhD Thesis

4.1.Master's Thesis Title and Thesis Advisor(s): "ANN based product quality prediction for crude oil distillation unit" Prof.Dr. Rahib Abiyev

4.2.PhD Thesis /Medical Specialty Thesis Title and Advisor(s): "Characterization of cold flow properties of biodiesel transesterified from waste frying oil" Prof.Dr. Mahmut A. Savaş, Doçent Dr. Ali Evcil

5. Academic Titles:

Date of Assistant Professorship: 10.08.2018

Date of Associate Proferssorship: 24.11.2023

Date of Professorship:

6. Supervised Master's and PhD Theses:

6.1. Master's Theses: Cosupervised- Kardo Abo Baker, "Production of biodiesel using supercritical methanol method", 2013.

6.2. PhD Theses

7. Publications

7.1. Articles Published in International Peer-Reviewed Journals (SCI,SSCI, AHCI, ESCI, Scopus)

- Al-Shanableh, F., & Savas, M. A. (2023). Biodiesel Production Using Supercritical Methanol in Bench-Scale Reactor. The Eurasia Proceedings of Science Technology Engineering and Mathematics, 23, 19-25. https://doi.org/10.55549/epstem.1357601
- Al-Shanableh, F. (2023). A Comparative Analysis of Uncertainty Assessment for Annual Yield Prediction of Citrus Growth Using FIS and ANFIS Models. The Eurasia Proceedings of Science Technology Engineering and Mathematics, 23, 332-337. https://doi.org/10.55549/epstem.1368275
- Al-Shanableh, F., Bilin, M., Evcil, A., Savas, M.A. (2023). Estimation of cold flow properties of biodiesel using ANFIS-based models, Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, 45:2, 5440-5457, DOI: 10.1080/15567036.2019.1672832
- Al-Shanableh, F., Savas, M.A.(2022). Material Selection of Batch Type Supercritical Reactor for Biodiesel Production. The Eurasia Proceedings of Science Technology Engineering and Mathematics, 21, 477-483.
- Al-Shanableh, F. (2022). Prediction of the Annual Yield of Citrus Growth in the Guzelyurt District Using Fuzzy Inference Systems. In: Kahraman, C., Tolga, A.C., Cevik Onar, S., Cebi, S., Oztaysi, B., Sari, I.U. (eds) Intelligent and Fuzzy Systems. INFUS 2022. Lecture Notes in Networks and Systems, vol 504. Springer, Cham. DOI: 10.1007/978-3-030-94191-8_82
- Al-Shanableh, F., Evcil, A., (2022). Prediction of energy consumption of residential buildings in northern Cyprus using fuzzy interference system. Energy and Buildings, Volume 256, 111555, 2022. DOI: 10.1016/j.enbuild.2021.111555
- Al-Shanableh, F. (2021). Product Quality Prediction of 95% Naphtha Cut Point in Crude Distillation Unit Using Artificial Neural Networks. In: Ben Ahmed, M., Boudhir, A.A., Karaş, İ.R., Jain, V., Mellouli, S. (eds) Innovations in Smart Cities Applications Volume 5. SCA 2021. Lecture Notes in Networks and Systems, vol 393. Springer, Cham. DOI: 10.1007/978-3-030-9
- Al-Shanableh, F., Alshanableh, M., Evcil, A., Savas, M.A.(2021). Failure investigation of a prematurely fractured stainless steel bone fixation implant. ISMSIT 2021 - 5th International Symposium on Multidisciplinary Studies and Innovative Technologies, IEEE Conferences Proceedings, pp. 263-266. DOI: 10.1109/ISMSIT52890.2021.9604674
- Al-Shanableh, F., Bilin, M., Evcil, A., Savas, M.A.(2020). A Study of Jojoba Oil Extraction Based on a Fuzzy Logic Model. 4th International Symposium on Multidisciplinary Studies and Innovative Technologies, ISMSIT 2020 - IEEE Conferences Proceedings, 2020, 9255214. DOI:10.1109/ISMSIT50672.2020.9255214
- Bilin, M., Al-Shanableh, F., Evcil, A., Savas, M.A.(2020). Potential of Jojoba Agriculture in Mesarya Plain of Cyprus Island. 4th International Symposium on Multidisciplinary Studies and Innovative Technologies, ISMSIT 2020 - IEEE Conferences Proceedings, 2020, 9255250. DOI:10.1109/ISMSIT50672.2020.9255250
- Al-Shanableh, F., Bilin, M., Evcil, A., Savas, M.A. (2020). Optimization of Oil Extraction from Jojoba Seeds of Mesaoria Plain in Screw Expelling Using Taguchi Design.

INTERNATIONAL JOURNAL OF RENEWABLE ENERGY RESEARCH   Volume: 10   Issue: 1 Pages: 400-406. ISSN:13090127. https://doi.org/10.20508/ijrer.v10i1.10516.g7886

- M Bilin, F Alshanableh, A Evcil, MA Savas. (2018). A Comparative Examination of the Quality of Jojoba Seed Oil Harvested on the Mesaoria Plain of Cyprus Island. 2nd International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT 2019), pp 1-4, IEEE Conferences, 2018, DOI: 10.1109/ISMSIT.2018.8567052.
- Evcil, A., Al-Shanableh, F., Savaş, M.A. (2018) Variation of solid fraction with cold flow properties of biodiesel produced from waste frying oil. Fuel, 215C: 522-527.   doi: 10.1016/j.fuel.2017.11.055
- Al-Shanableh, F., Evcil, A., Savaş, M.A. (2017). Fuzzy logic model for prediction of cold filter plugging point of biodiesel from various feedstock. Procedia Computer Science, 120: 245-252. doi:10.1016/j.procs.2017.11.235
- Al-Shanableh, F., Evcil, A., Savaş, M.A. (2016). Prediction of Cold Flow Properties of Biodiesel Fuel Using Artificial Neural Network. Procedia Computer Science, 102: 273-280. doi:10.1016/j.procs.2016.09.401.

7.2. **Articles Published in Other International Peer-Reviewed Journals**

7.3. Papers Presented at International Scientific Confererences and Published in Conference Proceedings

- Al-Shanableh, F., & Savas, M. A. (2023). Biodiesel Production Using Supercritical Methanol in Bench-Scale Reactor. 5th International Conference on Research in Engineering, Technology and Science (ICRETS), July 06 - 09, 2023, Budapest, Hungary.
- Al-Shanableh, F. (2023). A Comparative Analysis of Uncertainty Assessment for Annual Yield Prediction of Citrus Growth Using FIS and ANFIS Models. 5th International Conference on Research in Engineering, Technology and Science (ICRETS), July 06 - 09, 2023, Budapest, Hungary.
- Al-Shanableh, F., Savas, M.A.(2022). Material Selection of Batch Type Supercritical Reactor for Biodiesel Production. International Conference on Technology, Engineering and Science (IConTES) November 16-19, 2022, Antalya, Turkey.
- Al-Shanableh, F. (2022). Prediction of the Annual Yield of Citrus Growth in the Guzelyurt District Using Fuzzy Inference Systems The International Conference on Intelligent and Fuzzy Systems, INFUS 2022. 19-21, July, İzmir, Turkey.
- Al-Shanableh, F., Alshanableh, M., Evcil, A., Savas, M.A.(2021). Failure investigation of a prematurely fractured stainless steel bone fixation implant. 5th International Symposium on Multidisciplinary Studies and Innovative Technologies, ISMSIT 2021, 21-23 October 2021, Turkey.
- Al-Shanableh, F. (2021). Product Quality Prediction of 95 % Naphtha Cut Point in Crude Distillation Unit Using Artificial Neural Networks. The 6th International Conference on Smart City Applications SCA 21, 27-29 October, 2021. Virtual Safranbolu, Turkey.
- Al-Shanableh, F., Bilin, M., Evcil, A., Savas, M.A.(2020). A Study of Jojoba Oil Extraction Based on a Fuzzy Logic Model. 4th International Symposium on Multidisciplinary

Studies and Innovative Technologies, ISMSIT 2020 - IEEE Conferences Proceedings, 2020, 9255214. DOI:10.1109/ISMSIT50672.2020.9255214

- Bilin, M., Al-Shanableh, F., Evcil, A., Savas, M.A.(2020). Potential of Jojoba Agriculture in Mesarya Plain of Cyprus Island. 4th International Symposium on Multidisciplinary Studies and Innovative Technologies, ISMSIT 2020 - IEEE Conferences Proceedings, 2020, 9255250. DOI:10.1109/ISMSIT50672.2020.9255250

- Metin Bilin, Filiz Alshanableh, Ali Evcil and Mahmut A. Savaş (2018). A Comparative Examination of the Quality of Jojoba Seed Oil Harvested on the Mesaoria Plain of Cyprus Island. 2nd International Symposium on Multidisciplinary Studies and Innovative Technologies, ISMSIT 2018, 19-21 October 2018. Ankara, Turkey.

- Al-Shanableh, F., Evcil, A., Savaş, M.A. (2017). Fuzzy logic model for prediction of cold filter plugging point of biodiesel from various feedstock . 9th International Conference on Theory and Application of Soft Computing, Computing with Words and Perception, ICSCCW 2017, 24-25 August 2017, Budapest, Hungary.

- Al-Shanableh, F., Evcil, A., Savaş, M.A. (2016). Prediction of Cold Flow Properties of Biodiesel Fuel Using Artificial Neural Network. 12th International Conference on Application of Fuzzy Systems and Soft Computing, ICAFS 2016, 29-30 August 2016, Vienna, Austria.

- F. Al-Shanableh, A. Evcil, C. Gövsa, M. A. Savaş, "A Comparative Examination of Cold Flow Properties and Acidity of Biodiesel Produced from Virgin and Waste Canola Oil", International Conference on Energy Research and Development (ICERD5), Kuwait, April 5, 2012.

- AlShanableh Filiz, Evcil Ali, Gövsa Cemal, Savas Mahmut A., "A Comparison of Cold Flow Properties of Biodiesel Produced from Virgin and Used Frying Oil", 6th International Green Energy Conference (IGEC-6), Eskişehir, Turkey, June 5-9, 2011.

- Evcil Ali, AlShanableh Filiz, Govsa Cemal, Savas Mahmut A., "Biodiesel Production from Waste Frying Oil and Determination of Its Cold Flow Properties", International Conference on Energy and Automotive Technologies (ICAT'10), Istanbul, Turkey, November 5, 2010.

7.4. National/international Books or Book Chapters

- Al-Shanableh, F. (2022). Prediction of the Annual Yield of Citrus Growth in the Guzelyurt District Using Fuzzy Inference Systems. In: Kahraman, C., Tolga, A.C., Cevik Onar, S., Cebi, S., Oztaysi, B., Sari, I.U. (eds) Intelligent and Fuzzy Systems. INFUS 2022. Lecture Notes in Networks and Systems, vol 504. Springer, Cham. DOI: 10.1007/978-3-030-94191-8_82

- Al-Shanableh, F. (2021). Product Quality Prediction of 95% Naphtha Cut Point in Crude Distillation Unit Using Artificial Neural Networks. In: Ben Ahmed, M., Boudhir, A.A., Karaş, İ.R., Jain, V., Mellouli, S. (eds) Innovations in Smart Cities Applications Volume 5. SCA 2021. Lecture Notes in Networks and Systems, vol 393. Springer, Cham. DOI: 10.1007/978-3-030-9

7.5. Articles Published in National Peer-Reviewed Journals

8. Art and Design Activities

9. Projects

2010-2012- Project Member - This research was supported by the Near East University Research Fund with NEU project number 2010-2-21. Biodiesel production from waste frying oil and characterization of cold flow properties. TR / TRNC Scientific Research Project – December 2010- January 2012

10. Administrative Responsibilities

Chemistry Lecture Coordinator: 1992-2012

Food Engineering Coordinator: 2010-2013

Faculty of Engineering Double Major Program Coordinator: 2018

11. Memberships in Scientific and Professional Organizations

12. Awards

Near East University 2021- Publication Award

13. Undergraduate and Graduate Courses Taught in the Last Two Years

Academic Year	Semester	Course Name	Weekly Hours		Number of Students
			Theoretical	Practical	
2021 - 2022	Fall	KIM101-General Chemistry 1 (2 Group)	4x2	-	102
		MSN201-Materials Science	3	-	2
		MSN303- Int. to Solid State Chemisty	3	-	3
		MSN307 - Crystallography of Materials	3	-	3
		MSN403-Exp.l Methods in Materials S.	3	-	3
	Spring	KIM101- General Chemistry 1	4	-	29
		KIM102- General Chemistry 2	3	-	48
		CHM102-General Chemistry 2	3	-	34
		MSN302- Mat. Selection in Eng. Design	3	-	3
		MSN308-Composite Materials	3	-	2
		MSN479- Elect. Diele. / Mag. Prop. of Mat.	3	-	1
2022 - 2023	Fall	KIM101- General Chemistry 1 (2 Grup)	4x2	-	144
		KIM102- General Chemistry 2	3	-	6
		CHM102-General Chemistry	3	-	12
		CHM201-Inorganic Chemistry	3	-	1
		MSN403-Exp.l Methods in Materials S.	3	-	1
	Spring	KIM101- General Chemistry 1	4	-	65
		KIM102- General Chemistry 2	3	-	44
		CHM102-General Chemistry 2	3	-	27
		KIM212-Analitical Chemistry	3	-	10
		MSN204- Mechanics of Nanomaterials	3	-	1
		MSN308-Composite Materials	3	-	1