

ÖZGE BÜYÜKDAĞLI, Ph.D.



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EDUCATION

PhD	Industrial Engineering - Yaşar University, Turkey Thesis Title: Continuous Time Control of Tandem Production Lines Supervisor: Prof. M. Murat Fadiloğlu	2018
MSc	Industrial Engineering - Yaşar University, Turkey Thesis Title: Metaheuristics for the No-Idle Permutation Flowshop Scheduling Problem Supervisor: Prof. M. Fatih Taşgetiren	2013
BSc	Industrial Systems Engineering – Izmir University of Economics, Turkey	2010

ACADEMIC EXPERIENCE

- 2019 -** : **Assistant Professor**, Computer Sciences and Engineering, International University of Sarajevo, Bosnia and Herzegovina
- 2016 – 2017: Visiting Researcher**, Industrial Engineering Department, Bilkent University, Ankara, Turkey
- 2012 - 2016 : Research Assistant**, Industrial Engineering Department, Yaşar University, Turkey

ADMINISTRATIVE EXPERIENCE

- 2023 -** : **Program Coordinator**, Artificial Intelligence and Data Engineering, International University of Sarajevo, Bosnia and Herzegovina
- 2020 -** : **Program Coordinator**, Software Engineering, International University of Sarajevo, Bosnia and Herzegovina
- 2020 - 2022 : Program Coordinator**, Computer Sciences and Engineering, International University of Sarajevo, Bosnia and Herzegovina
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PUBLICATIONS

- **Publications in international journals**

Erika Abraham, et al. "Why do women pursue a PhD in Computer Science?", Submitted to Journal of Systems and Software (2024), *Under review*.

Lejla Tašaković, Özge Büyükdağlı. "Impact assessment methods for teaching activities on sustainable development goals in higher education institutions: A case study from a Bosnian university." *Heritage and Sustainable Development* 6.2 (2024): 445-458.

Hafiz Muhammad Ali, Tauseef-ur Rehman, Müslüm Arıcı, Zafar Said, Benjamin Duraković, Hayder I. Mohammed, Rajan Kumar, Manish K. Rathod, Özge Büyükdağlı, Mohamed Teggat. "Advances in thermal energy storage: Fundamentals and applications", *Progress in Energy and Combustion Science*, Volume 100, January 2024, 101109.

Ayca Kirimtut, M. Fatih Tasgetiren, Ondrej Krejcar, Özge Büyükdağlı, Petra Maresova. "A multi-objective optimization framework for functional arrangement in smart floating cities", *Expert Systems with Applications*, Volume 237, Part A, 1 March 2024, 121476.

Sencer Yeralan, Özge Büyükdağlı, "A Decision Support System for Curricula Design", *Periodicals of Engineering and Natural Sciences*, Vol. 9, No. 4, 632-642, 2021 (Scopus)

Özge Büyükdağlı, Sencer Yeralan, "How do weights affect faculty performance evaluations?", *Sustainable Engineering and Innovation*, Vol. 2, No. 2, 89-101, 2020.

M. Fatih Tasgetiren, Quan-Ke Pan, P. N. Suganthan, Özge Büyükdağlı, A Variable Iterated Greedy Algorithm with Differential Evolution for the No-Idle Permutation Flowshop Scheduling Problem, *Computers & Operations Research*, Vol. 40, 1729–1743, 2013. (SCI)

- **Book Chapters**

Özge Büyükdağlı, Miguel Goulao, Milena Vujosevic Janicic, Amal Mersni, (2024) "Voices of Female Informatics Students Across Universities", *EUGAIN COST Action Gender Balance on Informatics Handbook*, Springer International Publishing, *In Press*.

Aliye Mataraci, Özge Büyükdağlı, (2024). Social Climate, Social Capital, and Social Goods in Sub-Saharan African Countries: Implications for Sustainable Development. In *Climate Change and Socio-political Violence in Sub-Saharan Africa in the Anthropocene: Perspectives from Peace Ecology and Sustainable Development* (pp. 351-380). Cham: Springer Nature Switzerland.

Benjamin Duraković, Muhamed Hadziabdić, Özge Büyükdağlı. (2023). Building energy demand management strategies and methods. In *Building Energy Flexibility and Demand Management* (pp. 63-85). Academic Press.

M. Fatih Tasgetiren, Özge Büyükdağlı, Damla Kızılay, Korhan Karabulut, A Populated Iterated Greedy Algorithm with Inver-Over Operator for Traveling Salesman Problem, *Swarm, Evolutionary, and Memetic Computing*, Lecture Notes in Computer Science Volume 8297, 1-12, 2013.

M. Fatih Tasgetiren, Özge Büyükdağlı, Quan-Ke Pan, P. N Suganthan, A General Variable Neighborhood Search Algorithm for the No-Idle Permutation Flowshop

Scheduling Problem, Swarm, Evolutionary, and Memetic Computing, Lecture Notes in Computer Science Volume 8297, 24-34, 2013.

M. Fatih Tasgetiren, Quan-Ke Pan, Ponnuthurai N.Suganthan, Özge Büyükdağlı: A Variable Iterated Greedy Algorithm with Differential Evolution for Solving No-Idle Flowshops. Swarm and Evolutionary Computation, Lecture Notes in Computer Science, Vol. 7269, 128-135, 2012.

SELECTED PROJECTS

2023 – 2026: “Ai4CUAV – Innovative AI-framework to enable the detection, classification and tracking of killer- drones”, NATO SPS Project (Researcher)

2022 – 2023: “IT Sector On-the-Job Training Program” – Türkiye 2022-2023, BHPP – Bosnia and Herzegovina Partnership Programme (Institution Coordinator)

2016 – 2017: “Production Control and Stock Rationing in Tandem Production Lines”, Scientific Research Project funded by Yaşar University with Dr. M. Murat Fadıloğlu (Researcher)

2012 – 2013: “A New Differential Evolution Algorithm for the No-idle Permutation Flowshop Scheduling Problem with the Total Flow Time Criterion”, The Scientific and Technological Research Council of Turkey (TÜBİTAK) Project No: 110M622 (Scholar)

AWARDS

TÜBİTAK National Graduate Scholarship Program Scholar (TÜBİTAK 2211-Yurt İçi Lisansüstü Burs Programı Bursiyeri), 2013-2017

TÜBİTAK Incentive Award for International Scientific Publications (TÜBİTAK Uluslararası Bilimsel Yayın Teşvik Ödülü, UBYT), 2013

VOLUNTEER WORK

Vice Chair, 2022- ongoing, Sarajevo ACM-W Professional Chapter

Member, 2022 – ongoing, Sustainable Development Goals Executive Committee at International University of Sarajevo

Volunteer, 2006-2010, Community Volunteers Foundation (TOG), Turkey

MEMBERSHIPS

ACM – Association of Computing Machinery (2022 – Present)
