

# YUSUF ÇAĞATAY ERŞAN

## ASST. PROF.

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### Supported Projects

1. ERŞAN Y. Ç. , Project Supported by Higher Education Institutions, Biyogenik nitrat indirgenmesi yoluyla kendini iyileştiren biyobetonların içeriğindeki besin miktarının optimizasyonu, 2017 - 2019

### Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

1. **Life cycle assessment of lightweight concrete containing recycled plastics and fly ash**  
ERŞAN Y. Ç. , GÜLÇİMEN S., İmis T. N. , Saygin O., UZAL N.  
European Journal of Environmental and Civil Engineering, 2020 (Journal Indexed in SCI Expanded)

### Articles Published in Other Journals

1. **Volume fraction, thickness, and permeability of the sealing layer in microbial self-healing concrete containing biogranules**  
ERŞAN Y. Ç. , Palin D., Yengec Tasdemir S. B. , TAŞDEMİR K., Jonkers H. M. , BOON N., DE BELIE N.  
Frontiers in Built Environment, vol.4, 2018 (Refereed Journals of Other Institutions)

### Books & Book Chapters

1. **Overlooked strategies in exploitation of microorganisms in the field of building materials**  
ERŞAN Y. Ç.  
in: Ecological Wisdom Inspired Restoration Engineering, Achal V., Mukherjee A., Editor, Springer Singapore, Singapore, pp.19-45, 2019

### Refereed Congress / Symposium Publications in Proceedings

1. **Optimizing nutrient content of microbial self-healing concrete**  
ERŞAN Y. Ç. , Akin Y.  
6th International Symposium on Life-Cycle Civil Engineering (IALCCE), Ghent, Belgium, 28 - 31 October 2018, pp.2241-2246
2. **Effect of seed sludge type on aerobic granulation and treatment efficiency of granules**  
ERŞAN Y. Ç. , ERGUDER T. H.  
International Conference on Environmental Science and Technology, Texas, United States Of America, 25 - 29 June 2012, pp.238-244

### Research Areas

Environmental Engineering