

## Lect. BORA KAT

### Personal Information

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### Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A new energy-economy-environment modeling framework: Insights from decarbonization of the Turkish power Sector towards net-zero Emission targets**  
KAT B., Şahin Ü., Teimourzadeh S., Tör O., VOYVODA E., Yeldan A.  
Energy, vol.302, 2024 (SCI-Expanded)
- II. **Clean energy transition in the Turkish power sector: A techno-economic analysis with a high-resolution power expansion model**  
Kat B.  
Utilities Policy, vol.82, 2023 (SCI-Expanded)
- III. **Turkish energy sector development and the Paris Agreement goals: A CGE model assessment**  
Kat B., Paltsev S., Yuan M.  
ENERGY POLICY, vol.122, pp.84-96, 2018 (SCI-Expanded)
- IV. **An integrated day-ahead market clearing model: Incorporating paradoxically rejected/accepted orders and a case study**  
YORUKOGLU S., AVŞAR Z. M., Kat B.  
ELECTRIC POWER SYSTEMS RESEARCH, vol.163, pp.513-522, 2018 (SCI-Expanded)
- V. **Simulating Indonesian fuel subsidy reform: a social accounting matrix analysis**  
Fathurrahman F., Kat B., SOYTAŞ U.  
ANNALS OF OPERATIONS RESEARCH, vol.255, pp.591-615, 2017 (SCI-Expanded)
- VI. **Using aggregate fill rate for dynamic scheduling of multi-class systems**  
Kat B., AVŞAR Z. M.  
ANNALS OF OPERATIONS RESEARCH, vol.182, no.1, pp.87-117, 2011 (SCI-Expanded)

### Refereed Congress / Symposium Publications in Proceedings

- I. **Natural Language Processing for the Turkish Academic Texts in the Engineering Field: Key-Term Extraction, Similarity Detection, Subject/Topic Assignment**  
KAT B.  
19th IFIP WG 12.5 International Conference on Artificial Intelligence Applications and Innovations, AIAI 2023, Leon, Spain, 14 - 17 June 2023, vol.676 IFIP, pp.411-424

### Metrics

Publication: 13

Citation (WoS): 25

Citation (Scopus): 18

H-Index (WoS): 3

H-Index (Scopus): 3