

## Dr. ADNAN CORUM

Assoc. Prof., Industrial Engineering Department  
Bahçeşehir University  
Istanbul/Türkiye  
Email: adnan.corum@bau.edu.tr



### EDUCATION

Ph.D., Engineering Management. Marmara University, Istanbul, Türkiye (2013)  
CGPA: 92/100.

M.S., Industrial Engineering. Marmara University, Istanbul, Türkiye (2006)  
CGPA: 89/100.

B.S., Industrial Engineering. Eastern Mediterranean University, Cyprus (2003)  
CGPA: 3.53/4.00 (Top student of the department).

High School, Kadıköy Anadolu High School, Istanbul, Türkiye (1999)

### WORK EXPERIENCES

- (2004- 2005) NETPA communications systems. Responsible for repair-return activities of components of Phone Systems-Nortel Networks.
- (2005- present) Faculty Member, Dept. of Industrial Eng., Bahçeşehir University, Istanbul.
- (2015-2018) Head of Supply Chain and Logistics Management Graduate Program, Bahçeşehir University, Istanbul
- (2017- present) Head of Industrial Eng. and Industry 4.0 Graduate Programs, Bahçeşehir University, Istanbul
- (2023- 2024) Vice Director of Graduate School, Bahçeşehir University, Istanbul

### PUBLICATIONS

#### Journal papers (Scopus or SCI)

1. Timur, R.S., Demir, G., Çoban, A., **Corum, A.**, Bozbura, T. (2011) Decreasing water resources and a comprehensive approach to seawater reverse osmosis (SWRO): Case Study- Cost Analysis of a Sample SWRO System. *Desalination and Water Treatment*, 26, 145-151.
2. Timur, R.S., **Corum, A.**, Okten, H.E., Çoban, A., Demir, G., Bozbura, T. (2011) Comparative Cost Analysis of Pressure Exchanger (PX) and Turbine Type Energy Recovery Devices at Seawater Reverse Osmosis (SWRO) Plants. *Journal of Environmental Protection and Ecology*, 12(3), 1186–1194.
3. **Corum, A.**, Vayvay, Ö, Bayraktar, E. (2014) The Impact of Remanufacturing on Total Inventory Cost and Order Variance. *Journal of Cleaner Production*, 85, 442-452.
4. Okten, H.E., **Corum, A.**, Demir, H.H. (2015) A Comparative Economical Analysis for Medical Waste Treatment Options. *Environment Protection Engineering*, 41(3), 137-145.
5. Beskese A., **Corum, A.**, Anolay M. (2019) A model proposal for ERP system selection in automotive industry. *International Journal of Industrial Engineering: Theory, Applications and Practice*, 26(3), 317-342.
6. Ozcan, S., **Corum, A.** (2021) A Scientometric Analysis of Remanufacturing by Mapping Scientific, Organizational and National Concentration Zones. *IEEE Transactions on Engineering Management*, 68(4), 1055-1071.
7. **Corum, A.** (2021) SAP system implementation: a case study in Carrefour Turkey. *Int. J. Business Information Systems* (DOI: 10.1504/IJBIS.2021.10044987)
8. **Corum, A.**, Ulas, U. (2022) Effects of digitalisation on human resource processes: a case study in a global technology company. *Int. J. Business Information Systems* (DOI: 10.1504/IJBIS.2022.10047428)
9. Ata, M., **Corum, A.** (2023) The Impact of Return Disposal on Order Variance in a Hybrid Manufacturing and Remanufacturing System. *IEEE Transactions on Engineering Management*, 70(7), 2574-2583

10. Altunbulak, N., **Corum, A.** (2023) Payment process design with new digital platform. *Int. J. Business Information Systems* (Accepted)

### Journal Papers (Other Index)

1. Ozdemir, H., **Corum, A.**, Yoruk, C., Yalcin, E., Demir, G. (2013) Environmental, Energy, and Economic Comparison of Mineral and Traditional Paper Production. *International Journal of Chemical and Environmental Engineering*, 4(5), 316-318.
2. **Corum A.**, Akbıyık E., Demir G. (2015). Economic Analysis of Bus Lane Application: A Case Study in Millet Street. *Pamukkale University Journal of Engineering Sciences*, 21(4), 145-151.
3. Karahacıoğlu, A., **Corum, A.** (2020). Life Cycle Cost Analysis of Asphalt Roads: Case Study on Istanbul O3 Motorway. *Kırıkkale University International Journal of Engineering Research and Development*, 12(1), 32-39.
4. Kartal U., **Corum, A.** (2020). Regression Equation Determining House Price: Case Study in Maltepe/Istanbul. *Marmara University International Journal of Advances in Engineering and Pure Sciences*, 32(1), 57-67.

### Book chapters

1. **Corum, A.** (2015) Mühendislik ve etik, Güncel yaklaşımlar ışığında etik, Beta (ISBN: 978-605-333-246-6)
2. **Corum, A.** (2016) Remanufacturing, an added value product recovery strategy. *Handbook of Research on Waste Management Techniques for Sustainability*, IGI Global (ISBN: 9781466697232)
3. Kasımoğlu B., **Corum, A.** (2020) Endüstri 4.0'ın Intralojistik Sistemler Üzerine Getireceği Etkiler. *Oyunu Degistiren Güç: Yapay Zeka*, Beta (ISBN: 978-605-242-668-5)
4. Kizilca D., **Corum, A.** (2021) Dijitalleşen Perakende Sektörü ve Kuşakların Yeni Alışveriş Adaptasyonu: Bir Perakende Şirketinde Uygulama. *Endüstri 5.0 Dijital Toplum*, Ekin (ISBN: 978-625-7667-73-9)
5. Anis G., **Corum, A.** (2023) The Perception of Artificial Intelligence and Robotics. Opportunities and Challenges of Engineering Applications in the Digital Age, Nobel (E-ISBN: 978-625-371-042-2)

### Conference papers

1. **Corum, A.** (2006) Facility location problem. 10<sup>th</sup> International Research/Expert Conference Trends in the Development of Machinery and Associated Technology (TMT), September 11-15, Barcelona-Loret de Mar, Spain.
2. **Corum, A.**, Vayvay, Ö., Bayraktar, E. (2013) Performance analysis of push and pull strategies in hybrid manufacturing/remanufacturing systems. 4<sup>th</sup> Annual Conference of the European Decision Science Institute (EDSI), June 16-19, Budapest, Hungary.
3. **Corum, A.**, Arsenyan, J. (2014) Feasibility of the wind farms: Case study in Turkey. 12<sup>th</sup> Eurasia Business and Economics Society (EBES) Conference, January 9-11, Singapore.
4. **Corum, A.**, Ozdemir, H., Demir, G. (2014) Comparative cost analysis of paper production: Traditional vs. recycling. 12<sup>th</sup> Eurasia Business and Economics Society (EBES) Conference, January 9-11, Singapore.
5. **Corum, A.**, Sakar, B. (2014) Adapting ERP systems in higher education. The 12<sup>th</sup> International Conference Information Technologies and Management, April 16-17, Riga, Latvia.
6. Sakar, B., **Corum, A.** (2014) Analysis of students' evaluations of university teaching in Turkey. The 12<sup>th</sup> International Conference Information Technologies and Management, April 16-17, Riga, Latvia.
7. **Corum, A.** (2014) Remanufacturing as a product recovery strategy: A review. 13<sup>th</sup> Eurasia Business and Economics Society (EBES) Conference, June 5-7, Istanbul, Türkiye.
8. Arsenyan J., **Corum A.** (2014). Factors effecting innovation. 14. Symposium on Production Research, Sep 3-5, Istanbul, Türkiye.
9. **Corum, A.**, Arsenyan, J. (2015) Innovation return on R&D investment. 15<sup>th</sup> Eurasia Business and Economics Society (EBES) Conference, January 8-10, Lisbon, Portugal.
10. **Corum, A.** (2016) Crowdsourcing applications in sales activities. 7<sup>th</sup> Annual Conference of the European Decision Science Institute (EDSI), May 24- 27, Helsinki, Finland.

11. AlHachmi, M, **Corum, A.** (2017) The relationship between human resource practices and innovation performance. 8th Annual Conference of the European Decision Science Institute (EDSI), May 29- June 1, Granada, Spain.
12. Havger, M, **Corum, A.** (2018) The role of information technology management in business process reengineering. 9th Annual Conference of the European Decision Science Institute (EDSI), June 3- 6, Udine & Venice, Italy.
13. Camci, A., Temur, G., Beskese, A., **Corum A.**, Sivri C., Cevahiroglu H. (2018) Industry 4.0 Transformation for Ready-to-Wear and Apparel Sector in Turkey. Engineering and Technology Management Summit (ETMS), October 4-5, Istanbul, Türkiye.
14. Caglar, Z., **Corum, A.** (2019) SAP system implementation: A case study in a public institution of Turkey. 3rd European International Conference on Industrial Engineering and Operations Management (IEOM), July 23- 26, Pilsen, Czech Republic.
15. Bulut, G., **Corum, A.** (2021) Multimodal transportation applications in Turkey. Engineering and Technology Management Summit (ETMS), September 16-17, Istanbul, Türkiye.
16. **Corum, A.** (2022) Remanufacturing: A Case study in Mercedes-Benz Bus Factory. 12th Annual International Conference on Industrial Engineering and Operations Management (IEOM), March 07-10, Istanbul, Türkiye.
17. Delikurt, O., **Corum, A.** (2022) Importance of Same Day Delivery of Fast-Moving Consumer Goods for E-Commerce Companies. 5th European Conference on Industrial Engineering and Operations Management (IEOM), July 26-28, Rome, Italy.
18. Altunbulak, N., **Corum, A.** (2022) Process Design of New Digital Payment Platform. International Engineering and Technology Management Summit (ETMS), October 20-21, Istanbul, Türkiye
19. Al Haddad, M., **Corum, A.** (2023) Blockchain Applications in Supply Chain Management of Retail Sector. 18th International Strategic Management Conference, July 6-8, Sofia, Bulgaria.

#### **INDUSTRY PROJECTS**

1. Project Team Member, Industry 4.0 Integration in Ready-to-Wear and Apparel Industry- Needs Analysis Report and Roadmap, Ministry of Trade, Türkiye, 2018
2. Project Team Member, Advanced Process Management Educational Game Project, B/S/H/ Türkiye, 2017

#### **COURSES GIVEN**

Operations Management  
 Production Management  
 Production Planning and Control  
 ERP Systems  
 Management Information Systems  
 Engineering Economy  
 Operations Research  
 Linear Programming  
 Project Management  
 Business Process Reengineering  
 Introduction to Industrial Engineering

#### **THESIS SUPERVISED**

1 PhD thesis from Industrial Engineering program  
 More than 50 master's theses from industrial engineering, engineering management, industry 4.0, supply chain and logistics management, and MBA programs

#### **RESEARCH INTERESTS**

Remanufacturing systems, ERP systems, and engineering economy.