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Education

2012-2018: Dokuz Eylul University City and Regional Planning Department (Doctorate Degree)

2014-2015: VU University Amsterdam Spatial Economics Department (Guest Researcher)

2010-2012: Istanbul Technical University Regional Planning Programme (Master's Degree)

2006-2010: Dokuz Eylul University City and Regional Planning Department (Bachelor's Degree)

Work Experience

2019-cont.: Izmir Institute of Technology, Assistant Professor

2011-2019: Dokuz Eylul University, Research Assistant

International Indexed Journal Articles

- Kırdı, Ş.G., and **Elburz, Z.** (2025). Dynamics of population change in rural areas of Türkiye: A spatial analysis of villages. *A|Z:ITU Journal of Faculty of Architecture* <https://doi.org/10.58278/0.2025.77>
- Elburz, Z.**, and Çubukçu, K.M. (2025). Dynamics of settlement hierarchy: A bibliometric analysis (1959–2024). *Journal of Chinese Architecture and Urbanism*, 025080019. <https://doi.org/10.36922/JCAU025080019>
- Duran, H.E., **Elburz, Z.** and Değerli Çifçi, B. (2025). The Future of european regional inequalities: Box-cox transformed arma process trend smoothing (bats) forecasting. *Growth and Change*, 56(2), e70031.
- Elburz, Z.**, Kourtiti, K. and Nijkamp, P. (2025). Spiky metropolitan landscapes: An urbanometric analysis of growing agglomerations. *Growth and Change*, 56(1), e70022.
- Güngör, M. and **Elburz, Z.** (2024). Beyond boundaries: What makes a community resilient? A Systematic Review. *International Journal of Disaster Risk Reduction*.108, 104552.
- Duran, H.E., **Elburz, Z.**, Kourtiti, K. and Nijkamp, P. (2024). Region-specific turning points in territorial economic resilience: a business cycle approach to Turkey. *Area Development and Policy*. 9(1), 45-66.
- Elburz, Z.**, Kourtiti, K. and Nijkamp, P. (2022). Well-Being and geography: modelling differences in regional well-being profiles in case of spatial dependence—evidence from Turkey. *Sustainability*, 14(24), 16370.
- Sayın, Z.M., **Elburz, Z.** and Duran, H.E. (2022). Analyzing housing price determinants in Izmir using spatial models. *Habitat International*, 130, 102712.
- Salata, S., Özkavaf-Şenalp, S., Velibeyoğlu, K., and **Elburz, Z.** (2022). Land suitability analysis for vineyard cultivation in the izmir metropolitan area. *Land*, 11(3), 416.
- Elburz, Z.**, and Çubukçu, K.M. (2021). Spatial effects of transport infrastructure on regional growth: the case of Turkey. *Spatial Information Research*. 29(1),19-30.

- **Elburz, Z.**, Nijkamp, P. and Pels, E. (2020). Spatial effects of air transport on regional development: evidence from Turkey. *International Journal of Transport Economics*, XLVII(2), 127-143. <https://doi.org/10.19272/202006702002>
- Gezici-Korten, F. and **Elburz, Z.** (2018). Looking for diversified specialization in the regions of turkey. *Megarona*, 13(4), 623-635.
- **Elburz, Z.**, Çubukçu, K.M. and Nijkamp, P. (2018). The mutual relationship between regional income and deforestation: a study on Turkey. *METU JFA*, 35(2), 77-87.
- **Elburz, Z.**, Nijkamp, P. and Pels, E. (2017). Public infrastructure and regional growth: evidence from Turkey. *European Journal of Transport & Infrastructure Research*, 17(4).
- **Elburz, Z.**, Nijkamp, P. and Pels, E. (2017). Public infrastructure and regional growth: lessons from meta-analysis. *Journal of Transport Geography*, 58, 1-8.

National Indexed Journal Articles

- **Elburz, Z.** (2024). Türkiye’de imalat sanayi coğrafi yoğunlaşması ve değişimi. *Kent Akademisi*, 17, 2585-2604.

Book and Book Chapters

- Nijkamp, P., Kourtit, K. Haynes, K. and **Elburz, Z.** (Eds). (Forthcoming). *Thematic Encyclopedia of Regional Science*. Edward Elgar Publishing, Cheltenham. ISBN: 978-1-80037-927-5.
- **Elburz, Z.**, Kourtit, K. and Nijkamp, P. (2021). Urban resilience and spatial economics. In S. Colombo (Ed.). *Spatial Economics-Applications (Volume II)*. Palgrave Macmillan. ISBN: 978-3-030-40093-4
- Çubukçu, K.M., **Elburz, Z.**, Işık, M., Meydan, M.C., Kazancık Bilen, L., Ersayın, Z., Yatmaz, F., Saygılı, A., Eryılmaz, Y., Acar, S., Ulubeyli, H., Yılmaz, A.A., Tek, Ö.B. (2020). *Türkiye’de Kentsel ve Kırsal Hizmet Merkezleri Raporu*. Sanayi ve Teknoloji Bakanlığı Kalkınma Ajansları Genel Müdürlüğü. Ankara. ISBN: 978-605-7679-07-9

International Presentations

- **Elburz, Z.**, Kourtit, K. and Nijkamp, P. (2024). Spiky Metropolitan Landscapes: An Urbanometric Analysis of Growing Agglomerations. 14th World Congress of RSAI, 8-11 April, Kecskemet, Hungary.
- Güngör, M. and **Elburz, Z.** (2023). Assessment of Community Resilience to Earthquake: The Case of Bayraklı – İzmir. 62nd ERSA Congress, 28 August – 01 September, Alicante, Spain.
- **Elburz, Z.**, Kourtit, K. and Nijkamp, P. (2022). Dispersed or polycentric? Changes in the spatial structure of the population and its future prospects: An illustration from Izmir. The Urban Challenge Workshop, June 22-23, 2021, Naples, Italy.
- **Elburz, Z.**, Kourtit, K. and Nijkamp, P. (2021). Urban Growth and Economic Structure Transformation: The Case of Izmir. The First Global Regional Development Conference, December 3-5, 2021, Shenzhen, China, Hybrid Edition.
- **Elburz, Z.**, Kourtit, K. and Nijkamp, P. (2021). The Geography of Well-Being: The Case of the Turkish Regions. 60th ERSA Congress, 24-27 August, Virtual Edition.
- **Elburz, Z.**, Kourtit, K. and Nijkamp, P. (2021). Determinants of Well-being: Case of the Turkish Regions. 13th World Congress of RSAI, 25-28 May, Virtual Edition.

- **Elburz, Z.** Kourtiti, K. and Nijkamp, P. (2019). Urban Resilience and Spatial Economics. Cities4people: Towards smart, Safe and Sound Cities, 19-21 November, Den Bosch, The Netherlands
- **Elburz, Z.** Kourtiti, K. and Nijkamp, P. (2019). A New Framework on Urban Economic Resilience. 59th ERSA Congress, 27-30 August, Lyon, France.
- **Elburz, Z.** Nijkamp, P. and Kourtiti, K. (2019). A New Framework on Urban Economic Resilience. RSAI Nurturing Talent workshop, 27 February-1 March, Essaouira, Morocco.
- **Elburz, Z.** (2018). Infrastructure and Resilient Spatial Development. Cities4people: Intelligent Data Analytics For Next-Gen Cities Meeting, 15-16 November, Den Bosch, The Netherlands.
- **Elburz, Z.** and Çubukçu, M. and Nijkamp, P. (2018). Public Infrastructure and Regional Growth Relationship from a Spatial Perspective with a Time-Varying Spatial Weight Matrix. 12th World Congress of RSAI, 29 May-1 June, Goa, India
- **Elburz, Z.** Çubukçu, M. and Nijkamp, P. (2018). The Mutual Relationship between Regional Income and Deforestation: A Study on Turkey. 12th World Congress of RSAI, 29 May-1 June, Goa, India
- **Elburz, Z.,** Nijkamp, P. and Pels, E. (2015). Public Infrastructure and Regional Growth: Evidence from Turkish Regions. Modelling Innovation Sustainability and Technologies Conferences, 22-23 October, Lisbon, Portugal.
- Gezici-Korten, F. and **Elburz, Z.** (2015). Looking for Diversified Specialization in the Regions of Turkey. 55th ERSA Congress, 25-28 August, Lisbon, Portugal.
- **Elburz, Z.,** Nijkamp, P. and Pels, E. (2015). Public Infrastructure and Regional Growth: A Meta-Analysis. 55th ERSA Congress, 25-28 August, Lisbon, Portugal.
- **Elburz, Z.** (2014). The Spatial Effects of Public Investment in Transportation Infrastructures in Turkey. 54th ERSA Congress, 26-29 August, Saint Petersburg, Russia.
- Gezici-Korten, F. and **Elburz, Z.** (2014). Regional and Structural Analysis of Manufacturing Sector in Turkey. 54th ERSA Congress, 26-29 August, Saint Petersburg, Russia.
- **Elburz, Z.** and Gezici-Korten, F. (2012). Regional Development Policies and Industrial Employment Change in Turkey: A Shift Share Analysis (1992-2008). 52nd ERSA Congress, 21-25 August, Bratislava, Slovakia.
- **Elburz, Z.** and Dökmeci, V. (2012). The Spatial Distribution of FIRE Services in İzmir. 52nd ERSA Congress, 21-25 August, Bratislava, Slovakia

National Presentations

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- **Elburz, Z.** (2024). Türkiye’de Sanayi Coğrafyası Değişiyor mu? 23. Ulusal Bölge Bilimi Bölge Planlama Kongresi, 30 Mayıs-01 Haziran, Eskişehir.
 - Güngör, M. and **Elburz, Z.** (2023). Deprem Tehlikesine Karşı Topluluk Dirençliliğinin İncelenmesi: İzmir Bayraklı Örneği. 9th Kentsel ve Bölgesel Araştırmalar Sempozyumu 15-17 Aralık, İzmir.
 - Kırdı, Ş.G. and **Elburz, Z.** (2023). Değişen Kent-Kır İlişkisinde Yeni Kırsal Kalkınma Araçları: Akıllı Köy Potansiyelinin Belirlenmesinde Türkiye Örneği. 9th Kentsel ve Bölgesel Araştırmalar Sempozyumu 15-17 Aralık, İzmir.
 - Sayın, Z. M., **Elburz, Z.** and Duran, H. E. (2021). Mahalle Ölçeğinde Konut Fiyatı Belirleyicilerinin Modellemesi: İzmir Örneği. 20. Ulusal Bölge Bilimi Bölge Planlama Kongresi, 20 Mayıs. Çevrimiçi.

- **Elburz, Z.** and Çubukçu, M. (2018). Bölgesel Gelir ve Ormansızlaşma Arasındaki Karşılıklı İlişki: Türkiye Örneği. 18. Ulusal Bölge Bilimi Bölge Planlama Kongresi, 10-12 Mayıs, İstanbul
- **Elburz, Z.** and Acer, E. (2016). Meslek Seçimine Etki Eden Faktörlerin Değişimi: Şehir ve Bölge Planlama Örneği. Sekizinci Türkiye Şehircilik Kongresi, Ankara.
- Gezici Korten, F. and **Elburz, Z.** (2014). Türkiye’de İmalat Sanayinin Bölgesel ve Yapısal Analizi. 14th Bolge Bilimi ve Planlama Kongresi, 18-19 Aralık, İstanbul.
- **Elburz, Z.** and Gezici-Korten, F. (2012). Türkiye’de Sanayi İstihdamı Değişimi: Değişim Payı Analizi. 3rd Kentsel ve Bölgesel Araştırmalar Sempozyumu 6-7 Aralık, Ankara.
- **Elburz, Z.** (2012). Türkiye’de Bölgelerin Ekonomik Performans Ölçümü: Shift-Share Analizi (1992-2008). Türkres 2nd Kalkınmada Bölgesel Dinamikler Sempozyumu, 01-02 Kasım, Adana.

Award

TÜRKONFED Bölge Bilimi Ödülü 2012.

Scholarship

TUBİTAK 2214-A Ph.D. Research Scholarship, 2015.

Activity

Scientific Board. (2025). 24. Ulusal Bölge Bilimi ve Bölge Planlama Kongresi
Scientific Board. (2024). 23. Ulusal Bölge Bilimi ve Bölge Planlama Kongresi
Scientific Board. (2023). 9. Kentsel ve Bölgesel Araştırmalar Ağı
Scientific Board. (2023). 22. Ulusal Bölge Bilimi ve Bölge Planlama Kongresi
Scientific Board. (2023). 8 Kasım Dünya Şehircilik Günü 47. Kolokiyumu
Scientific Board. (2022). 21. Ulusal Bölge Bilimi ve Bölge Planlama Kongresi
Scientific Board. (2021). 8 Kasım Dünya Şehircilik Günü 45. Kolokiyumu