

As of 12 June 2023

Last Name: BAŞBUĞ ERKAN

First name: Burçak

E-mail: bbasbug@gmail.com

Education

1. Ph.D Statistics (2007), London School of Economics and Political Sciences (LSE), United Kingdom
2. MSc. Statistics (2001), University of Warwick, United Kingdom
3. BSc. Statistics (1999), Middle East Technical University (METU), Ankara
4. Ankara Atatürk High School - ranked 2nd (ranked 1st in the Math-Science division)

Professional Experience

1. **January 2023-current** Board Member of the International Science Council (ISC) Committee on Data (CODATA) International Data Policy Committee (IDPC).
2. **October 2015-current** Associate Professor of Statistics at METU, Ankara, Turkey.
3. **October 2022-current** Member of the Research Data Alliance (RDA) Artificial Intelligence and Data Visitation Working Group.
4. **March 2021-June 2022** Consultant for the World Bank Turkey Pandemic Preparedness and Response Analytical Study.
5. **10-14 May 2021** Trainer for the Professional Training Certificate in Disaster Risk Reduction at the International Centre for Parliamentary Studies, London.
6. **November 2020-current** Special Advisor to former Turkish Prime Minister Prof. Ahmet Davutoglu, Chairman of the Future Party (Gelecek Partisi) on disaster risk management, emergency management, disaster risk reduction and climate change policies.

7. **October 2019-current** Senior Fellow of the Higher Education Academy (SFHEA), United Kingdom.
8. **November 2019-current** Academic Partnerships Director of the Civil Protection and Emergency Management (ICPEM), London, UK.
9. **2020-current** Regional Editor of the Disaster Prevention and Resilience Journal.
10. **February 2020-current** Editorial Board Member of the Disaster journal, ODI, London, UK.
11. **August 2019-August 2020** Course Director of MSc in Disaster Management and Resilience, Coventry University, Coventry, United Kingdom.
12. **April 2019-August 2020** Associate Researcher at the Centre for Trust, Peace and Social Relations (CTPSR) Coventry University, Coventry, United Kingdom.
13. **August 2018-August 2020** Lecturer in Disaster, Risk and Resilience at Coventry University, Coventry, United Kingdom.
14. **October 2015** awarded 'Associate Professor' title by the Higher Education Council of Turkey
15. **September 2008-May 2018** Director of the Middle East Technical University, Disaster Management Implementation and Research Center, Ankara, Turkey.
16. **September 2007-April 2018** Academic Board Member of the Earthquake Studies Graduate Program, Middle East Technical University, Ankara, Turkey
17. **January 2014-current** Affiliated Faculty of UME Graduate School, Risk and Emergency Management (REM) program at the Istituto Universitario di Studi Superiori (IUSS) di Pavia, Italy
18. **September 2017-April 2018** Board Member of the Middle East Technical University Continuing Education Centre, Ankara, Turkey
19. **September 2005-April 2018** Program Coordinator of the World Bank Institute Distance Learning Natural Disaster Risk Management Program: Turkey.

20. **February 2015-May 2015** UNICEF Evaluation Team Member on Syrian Refugee Crisis.
21. **May 2014-July 2015** Senior Consultant in an NSF project titled ‘Sociotechnical Systems under Stress: May 13, 2014 Soma, Turkey Mine Disaster’.
22. **June 2014-November 2014** Expert for the Turkish National Assembly (TBMM) in Soma Mine Accident Investigation Commission, Ankara, Turkey
23. **April 2012-December 2017** Member of Development Board of Ankara Development Agency, Ankara, Turkey
24. **June 2013-June 2014** Risk Financing/Disaster Management Specialist (STC) for the World Bank.
25. **July 2012-June 2016** Advisor to Earthquake Studies Graduate Program, Middle East Technical University, Ankara, Turkey
26. **July 2010-October 2015** Assistant Professor at Department of Statistics, Middle East Technical University, Ankara, Turkey
27. **September 2009-current** Affiliated Faculty of Actuarial Sciences at the Institute of Applied Mathematics, Middle East Technical University, Ankara, Turkey.
28. **2008-current** Academic Board Member of the Department of Geodetic and Geographic Information Technologies (GGIT), Middle East Technical University, Ankara, Turkey
29. 2007-2010 Instructor at Department of Statistics, Middle East Technical University, Ankara, Turkey
30. October 2008-September 2009 Program Chair of Actuarial Sciences at the Institute of Applied Mathematics, Middle East Technical University, Ankara, Turkey.
31. January 2007-September 2008 Vice-Director of the Middle East Technical University, Disaster Management and Implementation Center, Ankara, Turkey.
32. Instructor for the World Bank Institute Distance Learning Natural Disaster Risk Management Online ToT Program: Turkey, 27/February-27/March 2006.

33. Instructor for the World Bank Institute Distance Learning Natural Disaster Risk Management Program: Comprehensive Disaster Risk Management Framework - Turkey, 23/March-23/May 2005.
34. External Examiner for LSE Statistics External Study, June-July 2004.
35. External Examiner for LSE Statistics External Study, June-July 2003.
36. 1999-2007 Teaching Assistant, Department of Statistics, METU, Ankara, Turkey
37. 1997-1999 Student Assistantship, Department of Statistics, METU

Publications

International Journal Paper

1. ‘The need for data policy in times of crisis: An IDPC CODATA report following a scientific workshop held on 22 October 2022 in Leiden, The Netherlands’, to be published in the CODATA **Data Science Journal** (Q1), to be published in July 2023.
2. ‘Türkiye: Rubble of corruption fuels earthquake devastation’ B. Burcak Basbug Erkan, *Crisis Response Journal*, ISSN:1745-8633, 24 February 2023.
3. Podcast with Overseas Development Institute (ODI) ‘<https://odi.org/en/insights/think-change-episode-19-türkiye-syria-earthquakes-lessons-learnt-and-what-next/>’ 17 February 2023, London.
4. ‘Earthquake in Turkey exposes gap between seismic knowledge and action – but it is possible to prepare’ in *The Conversation*, Louise K. Comfort, Burcak Basbug Erkan, Polat Gulkan, 14 February 2023.
5. ‘Earthquakes in Turkey: reflections from past experience’ for the virtual issue of the journal *Disasters*, Burcak Basbug Erkan, Matthew Foley, 10 February 2023.
6. ‘Living at-risk in a multi-hazard country’, B. Burcak Basbug Erkan, **Crisis Response Journal**, Vol.16, Issue.2, June 2021.
7. ‘Identifying Non-adopter Consumer Segments: An Empirical Study on Earthquake Insurance Adoption in Turkey’, F. Adiguzel, M. Kleijnen, B.B.Basbug-Erkan, C. Yozgatligil, in **Journal of Consumer Affairs** (Q1), 1 Jun 2019, Vol.54, 2, p. 662-685.

8. ‘An Experimental Investigation of Earthquake Risk Mitigation Alternatives: The Case of Turkey’, O. Dinc, O. Yilmaz, B.B.Basbug-Erkan, in **Natural Hazards Review** (Q1), DOI: 10.1061/(ASCE)NH.1527-6996.0000293, Vol.19, No.3, August 2018)
9. ‘Risk, Profit, or Safety: Sociotechnical Systems under Stress’, Burcak Erkan, Gunes Ertan, Jungwon Yeo, and Louise K. Comfort, in **Safety Science** (Q1), doi: <http://dx.doi.org/10.1016/j.ssci.2016.02.002>, Vol.88, pp.199-210, October 2016.
10. ‘Successes and Failures of Compulsory Risk Mitigation: Re-evaluating the Turkish Catastrophe Insurance Pool’, B. Burcak Basbug Erkan and Ozlem Ozdemir Yilmaz, in **Disasters** (Q1), doi:10.1111/disa.12129, Vol.39, Issue:4, pp.782-794, October 2015.
11. ‘From Emergency Response to Recovery: Multiple Impacts and Lessons Learned from 2011 Van Earthquakes’, Burcak Basbug Erkan, A. Nuray Karanci, Sibel Kalaycioglu, A.Tolga Ozden, Idil Caliskan and Gamze Ozaksehir, in **Earthquake Spectra** (Q1), doi:10.1193/060312EQS205M, Vol.31, No.1, pp.527-540, February 2015.
12. ‘Probabilistic Earthquake Hazard Assessment of Ankara and its Environs’, Dr. Bulent Ozmen and B. Burcak Basbug Erkan, in **Turkish Journal of Earth Sciences** (Q2), Vol.23, pp.462-474, 2014.
13. ‘Risk Analysis Based on Spatial Analysis of Chronic Obstructive Pulmonary Disease (COPD) With Respect to Provinces in Turkey’, Sezgin Ciftci, Sebnem Duzgun, Burcak Basbug Erkan, in **Journal of Computational and Applied Mathematics (JCAM)** (Q2), Vol. 259, pp. 413-424, doi: 10.1016/j.cam.2013.08.023, 2014.
14. ‘The relationship between nonspecific inflammation markers and computerized tomography imaging in non-traumatic acute abdomen?’, Dr. Nalan Kozaci, Assist. Prof. Dr. B. Burcak Basbug-Erkan and et al., in **Acta Medica Mediterranea** (Q4), Vol.30, pp.447-452, 2014.
15. ‘Personality, posttraumatic stress and trauma type: factors contributing to posttraumatic growth and its domains in a Turkish community sample’, Prof. Dr. A. Nuray Karanci, Dr. Sedat Isikli, Prof. Dr. Tamer Aker, Ervin Izmit Gul, Dr. B. Burcak Basbug Erkan, Hivren Ozkol, Hayal Yavuz Guzel, in **European Journal of Psychotraumatology** (Q1), 5 June 2012.

16. ‘Patterns in the Turkish reinsurance claims data, 1998-2002: An application of the extreme value theory’, Berna Burcak Basbug & Prof. Henry P. Wynn, in **Natural Hazards** (Q1), Volume 39, No. 2, October 2006, pp. 329-342.
17. ‘Üniversite Öğrencilerinin Kütüphanelerle İlgili Yönelimleri Ve Korumaya İlişkin Tutumları: Afyon Kocatepe Üniversitesi İslami İlimler Fakültesi Örneği’ Kuzucuoglu, A., Solmaz, U., Basbug Erkan, B., Damar, A., 30 Dec 2018, In International peer-reviewed Journal of Communication and Humanities Research. 21, p. 19-35

National Journal Paper

- (a) ‘Afet Risklerinin Azaltılmasında Sivil İnsiyatiflerin Rolü: TRI DRR Örneği’ A.H. Kuzucuoglu and B. Burcak Basbug Erkan, Afet ve Risk Dergisi (Disaster and Risk Journal), Vol.3, No.2, pp.101-124, 2020.
- (b) ‘An Overview of Insurance and Mining Sector in Turkey’, B. Burcak Basbug Erkan, Sigortaci TUR-KEY, The Turkish Insurance and Pension Newsletter, issue.20, pp.3, 9 February 2015, Istanbul.
- (c) ‘The Turkish Catastrophe Insurance Pool’, B. Burcak Basbug Erkan, Sigortaci TUR-KEY, The Turkish Insurance and Pension Newsletter, issue.14, pp.5-6, 17 November 2014, Istanbul.
- (d) ‘5902 Sayili Yasa ile Yeniden Duzenlenmis olan Yeni Afet Yonetimi Sistemi’ (in Turkish), B. Ozmen and B. Burcak Basbug Erkan, Yapi Dunyasi Dergisi, Aylık Mesleki Bilim Teknik Haber Dergisi, No. 186, pp. 16-20, September 2011, ISSN 1300-977X, Ankara.

Book chapters and reports

- (a) Book chapter ‘Afet Yonetimi ve Politiklari’ (in Turkish) in the book titled ‘Afet Yonetimi ve Politiklari’, ISBN: 978-625-6952-78-2, Ekin Yayınevi, Mart 2023.
- (b) Book chapter ‘Disaster Risk Management of Turkey’ in a book titled ‘A Companion to Modern Turkey’s Centennial: Political, Sociological, Economic and Institutional Transformations Since 1923’, ISBN:978-147-449-25-15, Edinburgh University Press, 2023.
- (c) ‘Deprem Sigortacılığı’ (in Turkish) translated as ‘Earthquake Insurance’, AFET YONETİMİ-Depremler (Disaster Management-Earthquakes), Anadolu University Publication, October 2018.

- (d) ‘Afet Ekonomisi ve Sigorta (Disaster Economics and Insurance)’ in *Turkiye’nin Afet Yonetimi Sosyal, Siyasal ve Yonetim Boyutuyla* (in Turkish), B. Burcak Basbug Erkan, Palme Publishing House, August 2018.
- (e) ‘Dunyadan Afet Yonetimi Sistemi Ornekleri’ (in Turkish) translated as ‘Disaster Management Systems in the World’, AFET YONETIMI-II (Disaster Management-II), Anadolu University Publication, pp.165-173, October 2017.
- (f) ‘The Shift From Healer State to Protector State in a 500-year Period: A Critical Evaluation of Painful Development Struggles in Legal and Administrative Understanding of Disaster Management Strategies in Turkey from 1509 to 2010’ in *Asian Law in Disasters Toward a Human-Centered Recovery*, A. Tolga Ozden and Burcak Erkan, Routledge, May 2016.
- (g) ‘Surdurulebilir Kalkinma Sorunsali Uzerinden Afet-Kalkinma Terminolojisinin Turkiye Ozelinde Yeniden Tartisilmesi’ (in Turkish) in *Afetlerle Kalkinma Tecrubeler, Politikalar ve Beklentiler*, Ali Tolga Ozden and Burcak Basbug Erkan, Efil Yayınevi, May 2016.
- (h) ‘Guvenli Yasamak: Afetlerden Korunmayı Ogreniyoruz’, Gulgun Tezgider, Prof. A. Nuray Karanci, Assoc. Prof. Sibel Kalaycioglu and Asst. Prof. B. Burcak Basbug Erkan, 2013, METU Press.
- (i) ‘Okul Tabanlı Afet Egitimi Projesi Ogretmen El Kitabı’nda Afet Terimleri, Afet Risk Azaltimi, Afet Ekonomisi’ (in Turkish), B. Burcak Basbug Erkan, pp. 319-331, November 2012.
- (j) ‘Turkiyede Travmatik Yasam Olaylari ve Ruhsal Etkileri (in Turkish)’, A. Nuray Karanci, A. Tamer Aker, Sedat Isikli, Burcak B. Erkan, Ervin Gul and Hayal Yavuz, September 2012, Matus Printing Company.
- (k) G20 Country Report, ‘Disaster Risk Management in Turkey’, Prof. Polat Gülkan, Prof. Ozlem Yilmaz, Assoc. Prof. Sevtap Kestel and Asst. Prof. B. Burcak Basbug Erkan, 2012.
- (l) UNDP Report, ‘Report on Insurance Analysis and Codes of the Algorithm: Financial Management of Flood and Drought Risks in Agricultural Sector in Turkey’, Assoc. Prof. Sevtap Kestel, Assist.Prof. Dr. Osman Gulseven, Assist.Prof.Dr. Kasirga Yildirak and Assist.Prof.Dr. B. Burcak Basbug-Erkan, 2012.
- (m) ‘Practical Guidelines for Urban Areas Development in Seismic Prone Countries’, Dr. Kambod Amini Hosseini, Dr. Burcak Bas-

bug Erkan, Prof. Yasuo Tanaka et.al., Kobe University Press, 2011.

- (n) Author of ‘Zorunlu Deprem Sigortasi Bilinci (in Turkish)’ (Compulsory Earthquake Insurance Awareness), as an educational material of the Istanbul Seismic Mitigation and Emergency Preparedness Project (ISMEP), April 2009, Istanbul.
- (o) ‘Perspectives in Disaster Management’, pp. 149-166 , ISBN: 978-9944-344-75-3, METU Press, Turkey, April 2009.
- (p) ‘Financial Management of Disaster-related Economic Losses in ‘Disaster Management: Global Challenges and Local Solutions ’, pp. 192-205 , ISBN: 978-81-7371-656-0, India, CRC Press, January 2009.
- (q) ‘Afet Sempozyumu’, pp. 123-126 (in Turkish), ISBN: 978-9944-89-425-8, Ankara, December 2007.
- (r) ‘Afet Risk Yönetimi’, pp.143-154 (in Turkish), World Bank and Marmara University joint publication, Istanbul, 2007.
- (s) ‘Recent Advances in Statistics’, pp. 51-60, Turkish Statistical Institute Press, ISBN: 978-975-01606-0-8, Ankara, 2007.

Unpublished

- (a) Ph.D thesis titled ‘Modelling of Turkish Catastrophe Insurance Pool Data, 2000-2003’, supervised by Prof. Henry P. Wynn, Department of Statistics, London School of Economics, the UK.
- (b) MSc. dissertation titled ‘Statistical analysis of significant earthquakes in Turkey during the twentieth century’, supervised by Prof. Henry P. Wynn, Department of Statistics, the University of Warwick, the UK, degree entitled October-2001.

Projects

- (a) Co-Investigator in the ‘Mapping communication, coordination networks in response to Kahramanmaras Earthquakes, February 6, 2023’ Quick Response Research Award Supported by the Natural Hazards Center at the University of Colorado Boulder with the support of the National Science Foundation (NSF), 4 March-21 August 2023.
- (b) **10-14 May 2021** Trainer for the Professional Training Certificate in Disaster Risk Reduction at the International Centre for Parliamentary Studies, London.

- (c) ‘GCRF Global Challenges Urban Disaster Hub: Istanbul leg, Co-I’, January 2021-31 December 2021.
- (d) Coordinator of ‘Third Country Training Program on Disaster Risk Management and Building Disaster Resilient Communities: 2’, Japan International Cooperation Agency, Turkish Cooperation and Development Agency and METU joint project, April 23-May 8, 2018, Turkey.
- (e) Coordinator of ‘Third Country Training Program on Disaster Risk Management and Building Disaster Resilient Communities: 1’, Japan International Cooperation Agency, Turkish Cooperation and Development Agency and METU joint project, May 7-20, 2017, Turkey.
- (f) Coordinator of BAP (Scientific Research Project)-08-11-2017-006 project ‘Afet ve Acil Durumlara Hazir ODTU Kampusu Proje Serisi: Iktisadi ve Idari Bilimler Fakultesi (Preparing METU campus for disaster and emergencies: Case of Administrative Sciences Faculty)’. Project period: January 2017-December 2017.
- (g) Coordinator of BAP (Scientific Research Project)-08-11-2015-020 project ‘ODTU Yurtlarinin Afet ve Acil Durumlara Hazirlanmasi (Preparing METU dormitories for disaster and emergencies)’. Project period: January 2015-December 2015.
- (h) Coordinator of BAP (Scientific Research Project)-08-11-2014-003 project ‘Afet ve Acil Durumlara Hazir ODTU Kampusu: ODTU Kutuphanesi (Disaster and Emergency Preparedness at METU Library)’. Project period: January 2014-June 2014.
- (i) Coordinator of UDAP-G-12-01 project ‘Turkish Disaster Data Bank (TDDDB) - Turkiye Afet Bilgi Bankasi (TABB)’. Project period: October 2012-April 2014.
- (j) Researcher of BAP (Scientific Research Project)-BAP-08-11-2013-049 project ‘KOBİlerin Afetlere Karsi Hazirlikli Olmalarini Etkileyen Faktörlerin Incelenmesi: Bir Anket Çalismasi’. Project period: January 2013-December 2013.
- (k) Coordinator of BAP (Scientific Research Project)-08-11-2012-004 project ‘The comparison of risk reduction mechanisms in disaster risk management: insurance available in the market and personal precautions’. Project period: January 2012-May 2013.
- (l) Facilitator in ‘School-based Disaster Education Project’ in Turkey, joint project of the Turkish Ministry of Education and Japan International Cooperation Agency (JICA), June-October 2011.

- (m) Coordinator of BAP (Scientific Research Project)-08-11-2010-R-03 project on the consumer behaviour in general kinds of insurance and specially compulsory earthquake insurance scheme in Turkey. Project period: April 2010-June 2011.
- (n) Researcher in ‘Preparation of Turkish Morbidity Tables: Part I’, project supported by the Prime Ministry Undersecretariat of Treasury General Directorate of Insurance, May 2009-June 2010.
- (o) Post-doctoral researcher in a project on ‘Trauma Mapping of Turkey’ funded by the Scientific and Technological Research Council of Turkey, 2007-2009.
- (p) Assisted on a project titled ‘A Feasibility Study on Natural Disaster Insurance in Turkey, Disaster Management Implementation and Research Centre, Report No: 98-07-08-03, Ankara, Turkey, November 1999’ by Assc. Prof. Dr. A. Sevtap Selcuk (Kestel), Department of Statistics, METU, Ankara, Turkey.

Awards and Scholarships

- (a) METU 20-year Service Award, 2019.
- (b) METU Best Performance Award: 1/January/2012-31 December 2014 (within top 20 % of the Arts and Science Faculty)
- (c) METU Best Performance Award: 1/January/2008-31 December 2010 (within top 20 % of the Arts and Science Faculty)
- (d) The Scientific and Technological Research Council of Turkey (TUBITAK) grant to conduct research in the U.S., July 2015.
- (e) Senior Consultant funded by the National Science Foundation (NSF) project titled ‘Sociotechnical Systems under Stress: May 13, 2014 Soma, Turkey Mine Disaster’ at the University of Pittsburgh, Graduate School of Public and International Affairs (GSPIA), Center for Disaster Management, 20 January-20 February 2015, the US.
- (f) Exchange-Visitor Scholarship of the Turkish Higher Education Council for studies at the University of Pittsburgh, Graduate School of Public and International Affairs (GSPIA), Center for Disaster Management, 12 March-26 May 2012, the US.
- (g) Graduate Studies Scholarship of the Turkish Higher Education Council for studies in the UK (2000-2005).

- (h) Japanese International Cooperation Agency (JICA) scholar ‘Disaster Risk Reduction Strategy for Urban Earthquake (B)’, 27/September-21/November, 2009, Japan.

Courses taught

- (a) 7017EXQ Disaster Risk, Resilience, Adaptation and Sustainability, School of Energy, Construction and Environment, Coventry University, UK
- (b) 7019EXQ Disaster Interventions, Evaluation and Learning, School of Energy, Construction and Environment, Coventry University, UK
- (c) EQS 508 Principles of Disaster Risk Management/ Disaster Risk Reduction, Graduate Program of Earthquake Studies, METU, Ankara, Turkey
- (d) IAM 547 Risk Management, Institute of Applied Mathematics, METU, Ankara, Turkey
- (e) STAT. 495 Application in Statistics, Department of Statistics, METU, Ankara, Turkey
- (f) Disaster Risk Financing, 20-24 June 2016, UME Graduate School, IUSS, Pavia, Italy
- (g) Disaster Risk Financing, 30 June-4 July 2014, UME Graduate School, IUSS, Pavia, Italy
- (h) STAT. 460 Nonparametric Statistics, Department of Statistics, METU, Ankara, Turkey
- (i) STAT. 553 Actuarial Analysis and Risk Theory, Department of Statistics, METU, Ankara, Turkey
- (j) STAT. 457 Statistical Design of Experiments, Department of Statistics, METU, Ankara, Turkey
- (k) STAT. 487 Insurance and Actuarial Analysis, Department of Statistics, METU, Ankara, Turkey
- (l) STAT. 376 Stochastic Processes, Department of Statistics, METU, Ankara, Turkey
- (m) Stat. 499 Undergraduate Research, Department of Statistics, METU.
- (n) STAT. 363-364 Linear Models I-II, METU.
- (o) STAT. 153 Probability I-STAT. 154 Probability II, METU.

- (p) STAT. 155 Principles of Statistics I-STAT. 156 Principles of Statistics II, METU.
- (q) 2003-2004 Class Teacher, ST. 102 Elementary Statistical Theory, Department of Statistics, LSE, the UK.
- (r) 2002-2003 ST.217 Mathematical Statistics Supervisor, Department of Statistics, the University of Warwick, the UK.
- (s) 2001-2003 ST.111-112 Probability Supervisor, Department of Statistics, the University of Warwick, the UK.

International Conferences, Workshops, invited talks

1. Invited speaker at the United Nations World Data Forum Satellite Event Dealing with Data Dilemmas Towards a human-centered systems approach to sustainable data and digital technology development, ‘Data policy for addressing data dilemmas in crisis situations’, United Nations University, Macau, 25 April 2023.
2. Invited panelist at ‘Towards a FAIRer World’: Implementing the UNESCO Recommendation on Open Science to address global challenges, presenting 6th February 2023 Kahramanmaras Earthquake, 29 March 2023, Paris.
3. Invited speaker at the Social Science Extreme Events Research (SSEER) University of Boulder at Colorado about the February 2, 2023 Kahramanmaras Earthquakes, <https://converge.colorado.edu/virtual-forums/social-science-extreme-events-research-sseer-virtual-forum-2023-kahmaranmaras-earthquakes/> , 22 March 2023
4. Invited speaker at the Conspectus Academy Disaster and Emergency Management Training to Istanbul Business Sector, 5 March 2023, Istanbul.
5. Invited panelist at the ‘EOSC Symposium 2022, CODATA International Data Policy Committee Session: Data policy for Open Science in crisis situations’, 16 November 2022.
6. Rapporteur at the ‘International FAIR Convergence Symposium 2022, CODATA International Data Policy Committee Workshop: The need for data policy in times of crisis’, 24 October 2022.
7. Invited Speaker at the ‘Climate Change Adaptation and Disaster Risk Management’ EcoClimate Summit, Ankara Congressium, 30-31 March 2022.

8. 'Giresun 2020 Flood Observations' Annual General Meeting of ICPEM, Burcak Erkan and Yung-Fang Chen, 26-27 October 2021, London.
9. 'Insurance in Turkey and Covid-19 management' B. Burcak Basbug Erkan. Lecture given at the The Disaster Risk Management Knowledge Centre (DRMKC) and Coventry University joint workshop, 3 November 2021.
10. Panelist at the University of Manchester Festival of Climate Action at the session 'What role can communities play in supporting local resilience to climate emergencies?', 14 October 2021, UK.
11. 'Invited Panelist at First Expert Forum for Producers and Users of Disaster-related Statistics' organised by the UN ESCAP, UNECE and UNDRR, 7-10 June 2021.
12. 'Land Mine Management and DRR, Development and Resilience' presented at the The Anti-personal Landmine Epidemic and Virtual Exhibition of humanitarian disaster caused by anti-personal landmines, Hopeman Consultants and Global Institute for Water, Environment and Health, 12 May 2021.
13. 'The Link between Disaster Risk, Resilience, Development and Adaptation' presented at the Third International City, Environment and Health Congress, 16-21 April 2021, Turkey.
14. 'Panel organiser/moderator at the Second International Disaster Resilience Congress', 13-15 October 2020, Eskisehir, Turkey.
15. 'Past, present, future: the Turkish Catastrophe Insurance Pool' presented at the Royal Geographical Society-IBS, 26-30 August 2019, London, UK.
16. 'Panelist at the First International Disaster Resilience Congress', 26-28 June 2019, Eskisehir, Turkey.
17. 'Oasis Conference' on Catastrophe Modeling, 13 September 2018, London, UK.
18. 'Turkish Disaster Data Bank (TABB)', B.Burcak Basbug Erkan, Etkin Hasgul, 7th International Conference on Seismology and Earthquake Engineering, 18-21 May 2015, Iran.

19. 'Field Observations on Soma, Turkey Mine Fire, May 13, 2014', B. Burcak Erkan, RISK VS. RESILIENCE IN EXTREME EVENTS, University of Pittsburgh Center for Disaster Management Symposium, 13 February 2015, Pittsburgh, USA.
20. Invited Panelist at the the Global Academic Network for Disaster Reduction/Reconstruction (GAND) Symposium, 5-9/February/2015, Kobe-Japan.
21. Invited Participant at the World Reconstruction Conference 2 (WRC2), 10-12/September/2014, Washington DC, USA.
22. 'An Experimental Investigation of Earthquake Risk Mitigation Alternatives: The Case of Turkey', O. Ozdemir Yilmaz, O. Dinc, B. Basbug, the 23rd SRA-E (Society of Risk Analysis-Europe), 16-18/June/2014, Istanbul-Turkey.
23. 'Turkish Disaster Data Bank', B. Burcak Basbug Erkan, Etkin Hasgul, Mustafa Usman, 2013 International Van Earthquake Symposium, 23-27/October/2013, Van-Turkey.
24. Panelist at the launch of the World Development Report 2014, the World Bank event, 25 October 2013, Ankara-Turkey.
25. Panelist at the Learning of Disaster Risk Reduction, Hyogo Turkey Earthquake Preparedness Seminar, 'Scientific and Technical Background of Turkey in the Field of Disaster Preparedness', 31 October 2013, Ankara-Turkey.
26. Participant within the Turkish delegation at the Global Platform 2013 (organised by the UNISDR), 19-23/May/2013, Geneva, Switzerland.
27. 'Economics Effects of Disasters' presented at the 'International ECO Symposium on Disaster Economics', 03-05/April/2013, Istanbul, Turkey.
28. Participant at the 2nd International HOPEFOR Conference (HOPEFOR Initiative), 28-30/November/2012, Mardan Palace Hotel, Antalya-Turkey.
29. 'How does the Turkish Catastrophe Insurance Pool Data Behave as Extremes' at 'International Conference on Applied and Computational Mathematics', 03-06/October/2012, Ankara-Turkey.

30. 'Spatial Analysis of Chronic Obstructive Pulmonary Disease (COPD) on the Basis of Provinces in Turkey with regards to Actuarial Risk Assessment' at 'International Conference on Applied and Computational Mathematics', Sezgin Ciftci, Sebnem Duzgun and B. Burcak Basbug Erkan, 03-06/October/2012, Ankara-Turkey.
31. Workshop titled 'Disaster Management in 2011: Comparative Perspectives', 13/April/2012, Pittsburgh, USA.
32. 'Disaster Risk Management Approach in the Regional Development Projects' at '1st International Conference on Regional Development', 22-23/September/2011, Malatya-Turkey.
33. 'The New Approach to Integrated Disaster Risk Management: Case of Turkey and the developments of the Turkish Catastrophe Insurance Pool' at '3rd Colloquium: Hazard, Vulnerability and Risk Assessment for Disaster Reduction' organised within the 8th International Convention on Environment and Development, 4-8/July/2011, Havana-Cuba.
34. 'International Workshop on 2005 Pakistan Kashmir EQ and 2010 Pakistan Flood Disasters and Recoveries', 2-5/May/2011, Islamabad-Pakistan.
35. 'Assessing the demand factors for residential earthquake insurance in Turkey: Empirical evidence', New Developments in Theory and Applications of Statistics (NEDETAS): An International Conference in Memory of Professor Moti Lal Tiku, Derya Ozkan, Feray Adiguzel, Ceylan Yozgatligil, B.Burcak Basbug Erkan, Ezgi Sandirli, 2-4/May/2011, Ankara, Turkey.
36. 'The Turkish Catastrophe Insurance Pool - 10th year.', the 4th Australasian Natural Hazards Conference, CITIES AT RISK, 10-12/August/2010, Wellington, New Zealand.
37. Participant of 'International Workshop on Seismicity and Earthquake Engineering in the Extended Mediterranean Region', 21-24/June/2010, Ankara, Turkey.
38. 'The Modelling of the Turkish Catastrophe Insurance Pool data between 2000-2008 by using Extreme Value Theory ', The 57th Session of the International Statistical Institute, 16-22/August/2009, Durban-South Africa.
39. 'Personality, impact of traumatic event and post post-traumatic growth in an adult sample from Turkey', Prof. Dr. A. Nuray Karanci, Prof.

Dr. Tamer Aker, Dr. Sedat Isikli, Dr. B. Burcak Basbug, Pinar Onen, Ervin Izmit, Hayal Yavuz, 11th European Conference on Traumatic Stress 15-18/June/2009, Oslo-Norway.

40. 'Epidemiology of Traumatic Events and Post-traumatic Stress Disorder in an adult sample from Turkey', Dr. Sedat Isikli, Prof. Dr. A. Nuray Karanci, Prof. Dr. Tamer Aker, Dr. B. Burcak Basbug, Pinar Onen, Ervin Izmit, Hayal Yavuz, 11th European Conference on Traumatic Stress 15-18/June/2009, Oslo-Norway.
41. 'The Turkish Catastrophe Insurance Pool', The Third International Conference on Integrated Natural Disaster Management, 18-19/February/2008, Tehran-Iran.
42. 'The success and challenges of the Turkish Catastrophe Insurance Pool since 2000', the Seventh Annual IIASA-DPRI Forum on Disaster Risk Management, 18-21/September/2007, Stresa-Italy.
43. 'The Mandatory Turkish Earthquake Insurance Scheme in Turkey', presentation at the Sixth Annual IIASA-DPRI Forum on Disaster Risk Management, 13-17/August/2006, Istanbul-Turkey.
44. 22-24/May/2006 Facilitator of the workshop held at the Edsa Shangri-La Manila, Philippines titled 'Financial Strategies for Managing the Economic Impact of Disasters' organised by the International Institute of Applied System Analysis (IIASA), the World Bank Institute and Kyoto University.
45. 'Statistical point of view for earthquake risk', Berna Burcak Basbug & Prof. Henry P. Wynn the proceeding presented at the Hazards 2002 - the 9th International Symposium on Natural and Man-made hazards, Antalya-Turkey, 03-06/October/2002.
46. Participant at the workshop on 'Reinsurance' organised by the European Unit for Research and Analysis of Non-Deterministic Operational Models (EURANDOM), Technical University of Eindhoven (TUE), Eindhoven, the Netherlands, 23-25/May/2002.
47. 'An inspection of research sources on the 1999 Turkish Earthquakes', Berna Burcak Basbug & Prof. Henry P. Wynn, the proceeding presented at the workshop titled 'The economic consequences of (catastrophic) earthquakes: a prospect in retrospect' at the research school Systems, Organisation and Management (SOM) of the University of Groningen, the Netherlands, 15/February/2002.

National Conferences and Workshops

1. ‘Afetlerin Finansal Yonetimi ve DASK’, B. Burcak Basbug-Erkan, 29-30/April/2015, Diyarbakir ve Cevresinin Dogal Afetleri Calistayi, Dicle Universitesi, Diyarbakir, Turkey.
2. ‘Turkish Disaster Data Bank’, B. Burcak Basbug-Erkan, 27-29/November/2013, Man-made Disaster Management Workshop on Future Policies and Strategies, Antalya, Turkey.
3. ‘2011 Van Depremi Saha Izlenimleri’ (in Turkish), B.Burcak Basbug-Erkan, 22-24/November/2012, International Disaster Management Exhibition (IDME 2012), Istanbul, Turkey.
4. ‘Turkiye’nin Yeni Afet Yonetimi Sistemine Elestirel Bir Bakis’ (in Turkish), B. Ozmen and B.B. Basbug-Erkan, 2-6 April 2012, 65th Geological Congress of Turkey, Ankara.
5. ‘Turkiye’de Afet Zarar Azaltimini Surdurulebilir Egitimle Saglamak’ (in Turkish), B.B. Basbug-Erkan, B. Ozmen ve H. Guler, 11-14 Ekim 2011, 1. Turkiye Deprem Muhendisligi ve Sismoloji Konferansi, ODTU-Ankara.
6. ‘Yetiskinlerde Travmatik Yasam Olaylarinin Yayginligi ve Travma Sonrasi Stres Bozuklugunun Degerlendirilmesi: Ankara Orneklemi’ (in Turkish), Prof. Dr. A. Nuray Karanci, Prof. Dr. Tamer Aker, Dr. Sedat Isikli, Dr. B. Burcak Basbug, Pinar Onen, Ervin Izmit, Hayal Yavuz, 03-05/September/2008, the 15th National Psychology Congress, Istanbul University, Istanbul.
7. ‘Yetiskinlerde Travma Sonrasi Gelisim ve Yordayicilarinin Degerlendirilmesi: Ankara Orneklemi’ (in Turkish), Prof. Dr. A. Nuray Karanci, Prof. Dr. Tamer Aker, Dr. Sedat Isikli, Dr. B. Burcak Basbug, Pinar Onen, Ervin Izmit, Hayal Yavuz, 03-05/September/2008, the 15th National Psychology Congress, Istanbul University, Istanbul.
8. ‘Dogal Afet Risk Yonetimi Egitim Programi’ (in Turkish) 12/January/2007, the 9th Round Table Meeting, METU Disaster Management and Implementation Centre, Ankara.

Poster Presentation

1. ‘Is there any relationship between the nonspecific inflammation markers and the presence of pathological findings determined in the abdominal-pelvic CT scans of the patients with nontraumatic acute abdominal pain?’ Nalan Kozaci, Mehmet Oguzhan Ay, Suleyman Cetunkunar, Gokhan Soker, Burcak Basbug Erkan, Alper Celikdemir, Salim Satar, VIIth Mediterranean Emergency Medicine Congress, 8-11/September/2013, Marseilles, France.
2. ‘Türkiye’nin Yeni Afet Yönetimi Sistemi ve Düşündürdükleri’ (in Turkish), Bulent Ozmen, B. Burcak Basbug Erkan, 7. Ulusal Deprem Mühendisligi Konferansi, 30/May-3/June-2011, Istanbul, Turkey.
3. ‘Modelling of the Turkish Earthquake Insurance Claims Data between 2000-2003’, poster presentation at the 27th Research Students’ Conference in Probability and Statistics (RSC 2004), University of Sheffield, United Kingdom, 19-22 April 2004.

Disaster Risk Management Training

1. Exchange Visitor at the Center for Disaster Management at the Graduate School of Public and International Affairs (GSPIA) and the European Union Center of Excellence and European Studies Center (EUCE/ESC), University of Pittsburgh, 12/March-26/May-2012, USA.
2. JICA Follow-Up Workshop in ‘Disaster Risk Reduction Strategy for Urban Earthquake’ 01/November-03/November, 2010, Japan.
3. Japanese International Cooperation Agency (JICA) ‘Disaster Risk Reduction Strategy for Urban Earthquake (B)’ course participant, 27/September-21/November, 2009, Japan.
4. Certificates on the following modules as a participant in the World Bank Institute Distance Learning Natural Disaster Risk Management Program:
 - a. Comprehensive Disaster Risk Management Framework, 18/October-22/November, 2004.
 - b. Financial Strategies for Managing the Economic Impacts of Natural Disasters, January 2005-28/February/2005.
 - c. Safe Cities, 07/March-28/March 2005.
 - d. Community-based Disaster Risk Management, 18/April-18/May 2005.

e. Damage and Reconstruction Needs Assessment, 20/June-18/July 2005.

Thesis Supervised

1. 'THE IMPACT OF THE 30TH OCTOBER EARTHQUAKE ON THE COVID-19 PANDEMIC IN IZMIR AND ITS VICINITY', Tugba Aru, METU Institute of Applied Mathematics, August 2022.
2. 'Resilience into Disaster Risk Management', Ilayda Ozbaba, METU Institute of Applied Mathematics, July 2022.
3. 'Impact of Disaster Management Response Effectiveness over Disaster Risk Reduction, Resilience and Sustainable Development' Yingying Feng, Alliance Manchester Business School, University of Manchester, 2019, UK.
4. 'Climate Change Impact: A Case Study of Hurricane Maria in Dominica' Kenisha Jeffrey, MSc Disaster Management and Resilience, Coventry University, 2019, UK.
5. 'Daniel Schilabeer, MSc Disaster Management and Resilience, Coventry University, 2020, UK.
6. 'Sangtae Lee, MSc Disaster Management and Resilience, Coventry University, 2020, UK.
7. 'The Effect of Disasters on Development:Van and Bingol Case Studies', Tugba Gul, Department of Earthquake Studies-Disaster Management track, METU, June 2014 (completed).
8. 'An Evaluation of Roles, Coordination and Cooperation of Local Governments in Disaster Risk Management Policy in Turkey', Idil Caliskan, Department of Earthquake Studies-Disaster Management track, METU, March 2014 (completed).
9. 'Spatial Analysis of Chronic Obstructive Pulmonary Disease (COPD) and Lung Cancer on the Basis of Provinces in Turkey with regards to Actuarial Risk Assessment', Sezgin Ciftci, co-supervisor: Prof. Dr. Sebnem Duzgun Institute of Applied Mathematics, METU, September 2012 (completed).
10. 'Modelling of the Turkish Catastrophe Insurance Pool Data between 2000 and 2008', Gozde Saribekir, Department of Statistics, METU, January 2013 (completed).

11. has served as committee member many thesis studies as co-supervisor or/and jury member.

Evaluator

1. TUBITAK projects on Disaster risk and emergency management and statistics, 2020-current.
2. UDAP (National Earthquake Research Program) projects directed by the Disaster and Emergency Presidency of Turkey (AFAD), 2012-current.
3. CONCERT-Japan Joint Call on Resilience against Disasters projects, 2012-current.

Activities

1. Scientific Committee Member of the First International Disaster Resilience Congress, June 26-29, 2019, Eskisehir, Turkey.
2. Scientific Committee Member for the Second International Resilience Congress, October 13-15, 2020, Eskisehir, Turkey.
3. Scientific Committee Member for the 4th International Conference on Earthquake Engineering and Seismology (4ICEES), October 11-13, 2017, Eskisehir, Turkey.
4. Organising Committee Member for EFDRR (European Forum on Disaster Risk Reduction), 26-28/March/2017, Istanbul, Turkey.
5. Coordinator and Lecturer in Non-Structural Risk Mitigation Training Program of Afyon Provincial Health Directorate (Afyon İl Sağlık Müdürlüğü) with ZAFER Development Agency Project, 13/January/2014-15/January/2014.
6. Seminar coordinator of METU Statistics Department, Fall 2012-Fall 2015.
7. Coordinator and Lecturer in Non-Structural Risk Mitigation Training Program of Bursa Provincial Health Directorate (Bursa İl Sağlık Müdürlüğü) with BEBKA Project (Bursa-Eskisehir-Bilecik Development Agency), 21/January/2013-23/January/2013.
8. Member of Turkish Ministry of Development 'Disaster Risk Management Special Commission', September 2012-current,

9. Coordinator and Lecturer in Expert Trainees Training Program of Bursa Provincial Disaster and Emergency Management Authority (Bursa AFAD) with BEBKA Project (Bursa-Eskisehir-Bilecik Development Agency), 5/March/2012-9/March/2012.
10. Coordinator and Lecturer in Expert Trainees Training Program of Disaster and Emergency Management Authority of Turkey (AFAD), 25/November/2011-13/January/2012.
11. Member of AFAD 'Disaster Risk Reduction Platform', 2011-current,
12. Committee member of 'Ankara Earthquake Action Plan 2023' (ADSEP 2023), 2011.
13. Reviewer of journal 'Safety Science'.
14. Reviewer of journal 'Natural Hazards'.
15. Reviewer of journal 'Earthquake Spectra'.
16. Reviewer of journal 'Risk Analysis'
17. Reviewer of journal 'Disasters'.
18. Reviewer of journal 'Journal of Homeland Security and Emergency Management'
19. Reviewer of journal 'Turkish Statistical Journal'
20. Organiser of 'International Workshop for urban development and renovation based on seismic risk in Middle East North Africa (MENA) region', 1-4/December/2011, Ankara/Istanbul-Turkey.
21. Scientific Committee Member of the 'International Conference on Applied and Computational Mathematics (ICACM)', 3-6/October/2012, Ankara, Turkey.
22. Lecturer at 'Master Teacher Training' within 'School-based Disaster Education Project' in Turkey, joint project of the Turkish Ministry of Education and Japan International Cooperation Agency (JICA), 24-30/October/2011, Yalova, Turkey.
23. Scientific Committee Member of the 'New Developments in Theory and Applications of Statistics (NEDETAS): An International Conference in Memory of Professor Moti Lal Tiku', 2-4/May/2011, Ankara, Turkey.

24. Organising Committee Member and Referee of the ‘The 7th Statistics Days Symposium’, 28-30/June/2010, METU, Ankara, Turkey (in Turkish).
25. Organising Committee Member of the ‘Istanbul International Conference on Seismic Mitigation’, 8-9/December/2009, Istanbul, Turkey.
26. Scientific Committee Member of the ‘International Earthquake Symposium 2009’, 17-18/August/2009, Kocaeli, Turkey.
27. Board Member of Turkish Federation of University Women Umitkoy Branch, 2007-2016.
28. Organising Committee Member of the First ‘Graduate Summer School on the New Advances in Statistics’, 11-24/August/2007, Department of Statistics, METU, Ankara, Turkey.
29. 2005 - 2007: ERASMUS program coordinator of the Middle East Technical University, Department of Statistics
30. 2006 - 2015: Academic Consultant of the Middle East Technical University Student Statistics Club
31. 07-08/May/2006 Coordinated the organisation of the 3rd Student Statistics Colloquium of Turkey hosted by the METU Statistics Club at METU campus, Ankara
32. 31/March/2006 Coordinated the organisation of the seminar on the ‘Insurance Sector in Turkey’ hosted by the METU Statistics Club
33. 19-20/December/2005 Coordinated the organisation of the World Bank Institute Expert Meeting on the Online Disaster Risk Management: Turkey
34. June 2002- April 2003 The Chairperson of the Staff-Student Liason Committee (SSLC), Department of Statistics, University of Warwick, the UK
35. 2000-2001 MSc. Representative of the Staff-Student Liason Committee (SSLC), Department of Statistics, University of Warwick, the UK
36. June 1998 - The Central Bank of Turkey, General Directorate of Foreign Affairs, General Directorate of Credit Management

37. August 1997 - The Central Bank of Turkey, General Directorate of
Economic Statistics.

References

Available upon request

Languages

English (fluent)

German - Russian - Spanish (beginners level)

Computer Knowledge

Good knowledge of Office programs, S-Plus, Latex

Basic knowledge of: SPSS / Minitab / Xtremes / Matlab

Memberships and Interests

Turkish Friends of London School of Economics - Travelling - Animals/Nature
- Bowling - Bollywood- Tennis (Wimbledon) - Foreign languages- World cuisine.