



ASSIST. PROF.DR. TUGBA OZTURK
Işık University
Faculty of Arts and Sciences
Physics Department
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- 1. Name** : Tugba OZTURK
- 2. Birth Date** : 1981
- 3. Academic Title** : Assistant Professor
- 4. Education** :

DATES	DEGREE	UNIVERSITY	DEPARTMENT
1999-2004	BS	Işık University	Physics
1999-2004	BS	Işık University	Computer Engineering
2005-2008	MS	Boğaziçi University	Physics
2008-2014	PhD	Boğaziçi University	Physics

5. Academic Titles

YEAR	TITLE	UNIVERSITY	DEPARTMENT
2015	Assist. Prof.	Işık University	Physics

6. Supervised MS and PhD Theses

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7. Publications

7.1. Journal Publications (SCI-Expanded)

Tuğba Öztürk, Z. Pelin Çeber, M. Türkeş and M. Levent Kurnaz. 2015 “PROJECTIONS OF CLIMATE CHANGE IN MEDITERRANEAN BASIN BY USING DOWNSCALED GLOBAL CLIMATE MODEL OUTPUTS” *International Journal of Climatology* (In Press).

Öztürk, M.Z., Erginal, A.E., Kiyak, N.G., **Öztürk, T.** 2015. Cement fabrics and optical luminescence ages of beachrock, North Cyprus: Implications for Holocene sea-level changes. *Quaternary International*, (In Press).

T. Ozturk, H. Altinsoy, M. Turkes and M. L. Kurnaz, "Simulation of Temperature and Precipitation Climatology for the Central Asia Cordex Domain by Using RegCM 4.0" *Climate Research* 52, 63-76 (2012).

7.2. International Conference Papers

Tuğba Öztürk, Cenk Demiroğlu, M. Tufan Turp, Murat Türkeş, and M. Levent Kurnaz, “RegCM 4.3.5 Projections for Changes in Technical Snow Reliability of a Major Norwegian Ski Resort”, International Adventure Conference, Sogndal Norway, 24-26 November (2014).

M. Tufan Turp, **Tugba Ozturk**, M. Turkes, and M. Levent Kurnaz , “Investigation of Projected Changes for Near Future Air Temperature and Precipitation Climatology of Turkey and Surrounding Regions Using RegCM4.3.5”, MedCLIVAR 2014, Ankara, 23-25 June (2014).

M. Tufan Turp, **Tugba Ozturk**, M. Turkes, and M. Levent Kurnaz, “Assessment of Simulated Changes in Air Temperature and Precipitation over the Mediterranean Region via Multi-Model Ensemble Means of CMIP5 Models”, MedCLIVAR 2014, Ankara, 23-25 June (2014).

Tuğba Öztürk, Z. Pelin Çeber, M. Türkeş ve M. Levent Kurnaz, “Simulated Future Air Temperature and Precipitation Climatology and Variability in the Mediterranean Basin by Using Downscaled Global Climate Model Outputs”, *Geophysical Research Abstracts* Vol. 16, EGU2014-8939, 2014 EGU General Assembly, Viyana Avusturya, 27 Nisan – 2 Mayıs (2014).

Tuğba Öztürk, M. Tufan Turp, M. Türkeş ve M. Levent Kurnaz, “Assessment of Simulated Changes in Air Temperature and Precipitation over Central Asia via Multi-Model Ensemble Means of CMIP5 Models”, *Geophysical Research Abstracts* Vol. 16, EGU2014-7409, 2014 EGU General Assembly, Viyana Avusturya, 27 Nisan – 2 Mayıs (2014).

Tuğba Öztürk, O. Cenk Demiroğlu, M. Tufan Turp, M. Türkeş ve M. Levent Kurnaz, “Projections for Changes in Natural and Technical Snow Reliability of a Major Turkish Ski Resort by Using RegCM4.3.5”, *Geophysical Research Abstracts* Vol. 16, EGU2014-8592, 2014 EGU General Assembly, Viyana Avusturya, 27 Nisan – 2 Mayıs (2014).

Tuğba Öztürk, M. Tufan Turp, Nazan An, M. Türkeş ve M. Levent Kurnaz, “Spatial and Temporal Analysis of Projected Solar Irradiance Change over Turkey by Using the RegCM4.3”, *Geophysical Research Abstracts* Vol. 16, EGU2014-8702, 2014 EGU General Assembly, Viyana Avusturya, 27 Nisan – 2 Mayıs (2014).

Tuğba Öztürk, M. Türkeş ve M. Levent Kurnaz, “Simulated Future Changes in Air Temperature and Precipitation Climatology in the Central Asia CORDEX Region 8 by Using RegCM 4.3.5”, *Geophysical Research Abstracts* Vol. 16, EGU2014-8806, 2014 EGU General Assembly, Viyana Avusturya, 27 Nisan – 2 Mayıs (2014).

Erginal, A.E., Kiyak, N.G., Ekinci, Y.L., Demirci, A., Kırıcı-Elmas, E., Ertek, T.A., **Öztürk, T.**, 2013. Coquinite on the western Black Sea coast of Turkey (Sile, Istanbul): possible evidence for higher sea level

during MIS3. From the Caspian to Mediterranean: Environmental Change and Human Response during the Quaternary, IGCP 610" First Plenary Conference and Field Trip, Tbilisi, Georgia, 12-19 October 2013, Proceedings, pp: 40-41.

Tugba Ozturk, M. Turkes, and M. Levent Kurnaz, "Projected Changes in Air Temperature and Precipitation Climatology in Turkey by Using RegCM 4.3", Geophysical Research Abstracts Vol. 15, EGU2013-4184, 2013 EGU General Assembly, Viyana Avusturya, 07 - 12 Nisan (2013).

H. Altinsoy, **T. Ozturk**, M. Turkes, and M. L. Kurnaz, "Simulating the climatology of extreme events for the Central Asia domain using the RegCM 4.0 regional climate model", 11th International Conference on Meteorology, Climatology and Atmospheric Physics COMECAP 2012, Athens, 29 May – 1 June (2012).

M. Turkeş, M. L. Kurnaz, **T. Ozturk**, and H. Altinsoy, "Climate Change versus 'Security and Peace' in the Mediterranean Macroclimate Region: Are They Correlated?", International Human Security Conference Series, Istanbul Turkey, 27-28 October (2011).

T. Öztürk, H. Altinsoy, Murat Türkeş and M. L. Kurnaz, "RegCM4.0 Experiments for Central Asia CORDEX Domain", International Conference on the Coordinated Regional Climate Downscaling Experiment - CORDEX, Trieste, Italy, 21-26 March (2011).

T. Öztürk Gökğöl, H. Altinsoy and M. L. Kurnaz, "The Precipitation and Temperature Regime over Turkey as a Result of Climate Change", Fifth ICTP Workshop on the Theory and Use of Regional Climate Models, Trieste, Italy, 31 May – 11 June (2010).

George S. Polymeris, Nafiye G. Kiyak, **Tuğba Ö. Gökğöl**, Timur Canel, George Kitis , Firing Temperature of pottery collected from the area of ancient Mesopotomia, Turkey, using luminescence techniques, Archeometry Symposium, Florida, USA, 2010.

Kiyak, N. G., **Ozturk T.**, Authentication of ancient Turkish pottery by luminescence techniques, 37th International Conference on Archeometry, 11-16 May 2008, Siena-Italy.

Kiyak, N. G., **Ozturk, T.**, High temperature thermoluminescence signal of natural quartz from pottery samples as an absolute method in archeometry, 36th International Symposium on Archeometry- ISO2006, 30 April- 5 May 2006-Canada.

Kiyak, N.G., **Oztürk, T.**, Trap parameters of high temperature signals of quartz by thermoluminescence methods , International Conference Advances in Nanostructured Materials, Processing – Microstructure – Properties NaNOVED 2006 – NENAMAT, May 14 – 17, 2006, Bratislava.

7.3. Book Chapters

7.4. National Journal Publications

T. Ozturk, M. Turkes, M. L. Kurnaz, "RegCM4.3.5 İklim Modeli Benzetimleri Kullanılarak Türkiye'nin Gelecek Hava Sıcaklığı ve Yağış Klimatolojilerindeki Değişikliklerin Çözülmesi", Aegean Geographical Journal, Vol. 20, No: 1 (2011).

M. Tufan Turp, **Tuğba Ozturk**, Murat Turkes, M. Levent Kurnaz, "RegCM4.3.5 Bölgesel İklim Modelini Kullanarak Türkiye ve Çevresi Bölgelerin Yakın Gelecekteki Hava Sıcaklığı ve Yağış Klimatolojileri için Öngörülen Değişikliklerin İncelenmesi", Aegean Geographical Journal, Vol. 23 No:1 1-24 (2014).

7.5. National Conference Papers

H. Altınsoy, T. Ozturk, M. Turkes and M. L. Kurnaz, "Küresel İklim Modeli Kullanılarak Akdeniz Havzası'nın Gelecek Hava Sıcaklığı ve Yağış Değişikliklerinin Kestirilmesi", National Geographical Congress with International Participation, Istanbul Turkey, 6-9 September (2011).

Öztürk, M.Z., Kıyak, N.G., Erginal, A.E., **Öztürk, T.**, 2013. Kuzey Kıbrıs kıyılarında yeni bir eolinit bulgusu. 66. Türkiye Jeoloji Kurultayı, Bildiri Özleri Kitabı, s: 166-167, 1-5 Nisan 2013, ODTÜ, Ankara.

Öztürk, M.Z., Kıyak, N.G., Erginal, A.E., **Öztürk, T.**, 2013. Kuzey Kıbrıs yalıttaşlarının OSL tarihlendirme sonuçları. 66. Türkiye Jeoloji Kurultayı, Bildiri Özleri Kitabı, s: 170-171, 1-5 Nisan 2013, ODTÜ, Ankara.

T. Öztürk, H. Altınsoy and M. L. Kurnaz, "İstatistiksel Metotlar Kullanılarak İklim Değişkenlerinin Uç Olaylar Analizi", 27. Uluslararası Fizik Kongresi, Istanbul Turkey, 14-17 September (2011).

T. Öztürk, H. Altınsoy and M. L. Kurnaz, "Climate Variable Extreme Event Analysis by Using Statistical Methods", 17. İstatistik Fizik Günleri, Istanbul, Turkey, 1-3 July (2010).

H. Altınsoy, A. Yüncü, **T. Öztürk** and M. L. Kurnaz, "Projection of 21st Century Turkey Precipitation and Temperature", 17. İstatistik Fizik Günleri, Istanbul, Turkey, 1-3 July (2010).

T. Öztürk Gököl and M. L. Kurnaz, "The application of the modified form of Bath's law to the fault zones in Turkey", 15. İstatistik Fizik Günleri, Koç Üniversitesi, Istanbul, Turkey, 19-21 June (2008).

7.6 Other Publications

8. Research Projects

9. Administrative Positions and Employment History

9.1 Administrative Positions

DATES	UNIVERSITY/INSTITUTION	POSITION
2010-2012	Işık University	Assistant to the President
2012-2015	Işık University	Specialist-International Office

9.2 Employment History

DATES	TITLE	UNIVERSITY/INSTITUTION	DEPARTMENT
2004-2015	Research Assistant	Işık University	Physics

10. Scientific and Professional Membership

11. Awards and Honors

PhD Thesis Award - Boğaziçi University Commission of Scientific Projects

12. Courses Taught (Last Two Years)

PHYS203 General Physics III

FIZ 103 Genel Fizik

FIZ 103 Genel Fizik

FIZ 103 Genel Fizik

FIZ 103 Genel Fizik

PHYS101 General Physics I

PHYS475 Methods in
Experimental Physics

13. Other Academic and Scientific Activities