

Assoc. Prof. İBRAHİM SÖNMEZ

Ondokuz Mayıs University
Ballica Campus
Faculty of Aeronautics and Astronautics
Meteorological Engineering Department
55420 Ondokuz Mayıs / SAMSUN
Office : +90 362 3121919 Ext.: 7664
Faks : +90 362 5114713



PERSONAL INFORMATION :

Date of birth : 25.11.1973
Place of birth : Burdur, TURKEY
Marital Status : Married, Two kids
Email : isonmez@omu.edu.tr
sonmezibrahim@yahoo.com
Phone : *Cell* : +90 505 764 7127
Office: +90 362 312 1919 (Ext: 7664)

EDUCATION :

1996: BSc. in Dept. of Meteorology
Istanbul Technical University, Istanbul, TURKEY
1998: MSc. in Dept. of Meteorology
Thesis, “*Artificial Neural Network Applications in Meteorology*” (Uncompleted)
Istanbul Technical University, Istanbul, TURKEY
2000: MSc. in Dept. of Atmospheric Science
Thesis, “*Validation of the Texas Mesonet from the Aspect of Site Spacing Density*”
Texas A&M University, College Station, TX, USA
2005: Ph.D. in Atmospheric Science Group
Thesis, “*Determination of the Proper Site Spacing Density over Texas*”
Texas Tech University, Lubbock, TX, USA

WORK EXPERIENCE :

1995 : German Meteorological Service (Deutscher Wetterdienst)
Summer Term Practical Training in Munchen by IASTE (International Exchange of Students for Practical Training) program in cooperation with German Academic Exchange Service (Deutscher Akademischer Austauschdienst).
1997-1998 : İstanbul Technical University
Teaching Assistant, Department of Meteorology

- 2003-2005** : Texas Tech University
Research Assistant, West Texas Mesonet Project, Geosciences (Atmospheric Science Group)
- 2005-2011** : Turkish State Meteorological Service
Researcher, Department of Remote Sensing
- 2011 - Today** : Ondokuz Mayıs University
Faculty member & Founding Department Chair, Department of Meteorology
- 2013 - 2016** : MC (Management Committee) member of Turkey for the **COST** (European Cooperation in Science and Technology) **Action TU1202**.
- 2015-2019** : MC (Management Committee) of Turkey for the **COST** (European Cooperation in Science and Technology) **Action IC1406**.

ACADEMIC TITLES RECEIVED :

- Teaching Assistant** : 1997-1998, Department of Meteorology, İstanbul Technical University
- Research Assistant** : 2002-2005, Atmospheric Science Group, Texas Tech University
- Assistant Professor** : 17.11.2011, Department of Meteorology, Ondokuz Mayıs University
- Associate Professor** : 14.05.2013, Department of Meteorology, Ondokuz Mayıs University

RESEARCH TOPICS INTERESTED :

- Meteorological Applications
- Satellite Remote Sensing
- Geostatistical data analysis
- Climatology
- Engineering applications with MATLAB
- Artificial Neural Networks

PROJECTS :

- 2003-2005** : *Research Assistant*, West Texas Mesonet Project, Geosciences (Atmospheric Science Group), Texas Tech University, Lubbock, United States of America.
- 2008-2009** : *Coordinator*, Quality assurance/control system design for the Synoptic Observing Sites' observation, Turkish State Meteorological Service, Turkey.
- 2009-2010** : *Coordinator*, Quality assurance/control system design for the Automated Weather Observing Sites (AWOS) observations, Turkish State Meteorological Service, Turkey.
- 2005-2011** : *Researcher*, H-SAF (Hydrological Satellite Application Facility) project of EUMETSAT (European Meteorological Satellites), Satellite based precipitation product validation, Turkish State Meteorological Service, Turkey.
- 2013/04- 2014/10** : *Coordinator*, TÜBİTAK(The Scientific and Technological Research Council of Turkey) 1001 Project(112Y306: COST TU1202), 'The

enhancement of the MSG fire product by using regionalized thresholds over Turkey', Ondokuz Mayıs University, Turkey.

- 2012-2017 :** *Coordinator*, EUMETSAT(European Meteorological Satellites) H-SAF (Hydrological Satellite Application Facility) Project, 'Validation of the satellite soil moisture products over Turkey', Ondokuz Mayıs University, Turkey.
- 2015-2018 :** *Coordinator*, TÜBİTAK(The Scientific and Technological Research Council of Turkey) 1001 Project (114Y147 : COST IC1406), 'Building a satellite based atmospheric products database and cloudiness atlas generation for Turkey', Ondokuz Mayıs University, Turkey.
- 2016-2019 :** *Coordinator*, TÜBİTAK(The Scientific and Technological Research Council of Turkey) 1001 Project (115Y647), 'The accuracy improvement of the Samsun Radar precipitation product and providing instantaneous rain rate and catchment based total precipitation', Ondokuz Mayıs University, Turkey.

LANGUAGES :

- Turkish (Native)
- English (Fluent)

COMPUTER SKILLS :

Languages : FORTRAN
Software Packages : MATLAB, LABVIEW, GIS, Office Programs
Operating Systems : MS-DOS, Windows 7/8/10, LINUX/UNIX

AFFILIATIONS :

1994-present : Member, Turkish Meteorological Engineering Society
2002-2004 : Member, West Texas Chapter of the American Meteorological Society at Texas Tech University
2004-2006 : Member, American Meteorological Society

AWARDS and ACHIEVEMENTS :

1992 : *Ranked 1st* among the Department of Meteorology candidates in the nationwide university matriculation exam, Turkey.
1992-1996 : *Education Scholarship* from Higher Education Institute of Turkey for undergraduate study, Turkey

- 1992-1996** : *Tuition Support Scholarship* from Higher Education Institute of Turkey for undergraduate study, Turkey
- 1994-1995** : *Undergraduate Educational Fellowship* from Istanbul Technical University Foundation, Turkey, Turkey
- 1995-1996** : *Istanbul City Municipal Undergraduate Educational Fellowship*, Turkey.
- 1995** : Summer term Fellowship from Deutscher Wetterdienst and Deutscher Akademischer Austauschdienst with the organization of **IAESTE** (The International Association for the Exchange of Students for Technical Experience), Germany.
- 1996** : *Ranked 1st* among the graduated Department of Meteorology undergraduates with highest GPA(3.43), Istanbul Technical University, Turkey.
- 1998-2000** : *Abroad Graduate Study Scholarship* from Ministry of the Turkish National Education for Master of Science (M.Sc.) Degree, Turkey.
- 2000-2005** : *Abroad Graduate Study Scholarship* from Ministry of the Turkish National Education for Doctor of Philosophy (Ph.D.) Degree, Turkey.

TRAINING & WORKSHOPS ATTENDED :

- 26-30 Sep 2005** : *'Introduction to IDL & intermediate programming with IDL Training'*, Turkish State Meteorological Service, Ankara, Turkey
- 03-07 Oct 2005** : *'Exploring ENVI & ENVI Programming Training'*, Turkish State Meteorological Service, Ankara, Turkey
- 11-13 Oct 2005** : *'Advanced IDL Programming Training'*, Turkish State Meteorological Service, Ankara, Turkey
- 16-20 Apr 2007** : *'Meteorological Data Analysis'*, Turkish State Meteorological Service, Ankara, Turkey
- 16-19 Sep 2007** : *'EUMETSAT H-SAF (Hydrological Satellite Application Facility) workshop'*, Rome, Italy.
- 05-07 Sep 2007** : *'Workshop on Interpretation of Satellite Images/Products of Convective Storms'*, EUMETSAT, Trieste, Italy.
- 19-25 Oct 2008** : *'International Summer School on Applications with the Newest Multi-spectral Meteorological Satellites'*, Istanbul Technical University, Istanbul, Turkey
- 02-06 Jun 2008** : *'Workshop on Preventing and Mitigating Meteorological Natural Disasters by Means of Remote Sensing'*, WMO Regional Training Center, Alanya, Turkey
- 18-30 Aug 2008** : *'Workshop on Expert Systems – Artificial Neural Network and Fuzzy Logic application'*, Turkish State Meteorological Service, Ankara, Turkey.
- 07-10 Sep 2009** : *'EUMETSAT Drought and Fire workshop'*, Sofia, Bulgaria.
- 14-15 Dec 2009** : *'EUMETSAT H-SAF Precipitation Products Users Training workshop'*, Rome, Italy.

- 15-19 Mar 2010** : ‘*Workshop on MSG Applications and Nowcasting*’, WMO Regional Training Center, Alanya, Turkey.
- 05-09 Apr 2010** : ‘*Workshop on Geospatial Data Analysis*’, Middle Eastern Technical University, Teknokent, Ankara, Turkey
- 12-14 Oct 2010** : ‘*EUMETSAT, Workshop on Hydrology and satellite precipitation product*’, Hamburg, Germany.
- 04-07 Apr 2011** : ‘*EUMETSAT 2nd SALGEE Training Workshop: MSG Land Surface Applications, Drought & Fires*’, Antalya, Turkey.
- 20-21 Mar 2013** : ‘*EUMETSAT 3rd SALGEE Training Workshop: MSG Land Surface Applications: Drought & Fire Emissions*’, Lisbon, Portugal.
- 04-07 Nov 2013** : ‘*1. Workshop on Meteorological Remote Sensing Applications*’, Antalya, Turkey.

PUBLICATIONS :

A. Books :

- İ Sönmez**, 2009 : Determination Of The Proper Site Spacing Density : Correlation, Power Spectrum, and True Field Error Variance Approaches, *VDM Verlag Dr. Müller Aktiengesellschaft & Co. KG Publishing*, Saarbrücken, Germany, 126p.

B. International Journals :

- Tekeli A.E., **Sönmez İ**, E. Erdi, 2016: Snow-covered area determination based on satellite-derived probabilistic snow cover maps, *Arabian Journal of Geosciences*, 9:198, DOI: 10.1007/s12517-015-2149-0
- Sönmez İ**, A.E. Tekeli, E. Erdi, 2014: Snow cover trend analysis using Interactive Multisensor Snow and Ice Mapping System (IMS) data over Turkey, *International Journal of Climatology*, 34(7): 2349–2361, DOI: 10.1002/joc.3843.
- Sönmez İ**, A.E. Tekeli, E. Erdi, F. Demir, M. Arslan, 2014 : Validation of the Meteosat Second Generation (MSG) fire monitoring product using ground observations over Turkey, *Arabian Journal of Geosciences*, 7(8):3389–3398, DOI: 10.1007/s12517-013-1039-6.
- Puca S, F. Porcu, A. Rinollo, G. Vulpiani, P. Baguis, S. Balabanova, E. Campione, A. Ertürk, S. Gabellani, R. Iwanski, M. Jurašek, J. Kaňák, J. Kerényi, G. Koshinchanov, G. Kozinarova, P. Krahe, B. Lapeta, E. Lábó, L. Milani, L'. Okon, A. Öztopal, P. Pagliara, F. Pignone, C. Rachimow, N. Rebora, E. Roulin, **İ. Sönmez**, A. Toniazzo, D. Biron, D. Casella, E. Cattani, S. Dietrich, F. Di Paola, S. Laviola, V. Levizzani, D. Melfi, A. Mugnai, G. Panegrossi, M. Petracca, P. Sanò, F. Zauli, P. Rosci, L. De Leonibus, E. Agosta, F. Gattari, 2014: The validation service of the hydrological SAF geostationary and polar satellite precipitation products, *Natural Hazards and Earth System Sciences*, 14: 871-889, doi:10.5194/nhess-14-871-2014

5. **Sönmez İ**, 2013 : Quality control tests for western Turkey Mesonet , *Meteorological Applications*, 20(3): 330-337, doi: 10.1002/met.1286
6. **Sönmez İ**, A.Ü. Kömüşçü, 2011: Reclassification of rainfall regions of Turkey by K-Means methodology and their temporal variability in relation to North Atlantic Oscillation(NAO), *Theoretical and Applied Climatology*, 106(3): 499-510 doi: 10.1007/s00704-011-0449-1
7. **Sönmez İ**, E. Erdi, A.E. Tekeli, F. Demir, M. Arslan, 2011 : Foogle: Fire monitoring tool for EUMETSAT's active fire product over Turkey using Google-Earth, *Geomatics, Natural Hazards and Risk*, 2(1): 1-13. doi: 10.1080/19475705.2010.532974
8. Tekeli A. E., **İ Sönmez**, E. Erdi,, F. Demir, 2009 : Validation studies of EUMETSAT's Active Fire Monitoring Product for Turkey, *International Journal of Wildland Fire*, 18(5), 517–526. doi:10.1071/WF07088
9. Schroeder, J. L., W. S. Burgett, K. B. Haynie, **İ. Sönmez**, G. D. Skwira, A. L. Doggett, and J. W. Lipe, 2005: The West Texas Mesonet: A Technical Overview. *J. Atmos. Oceanic. Technol.*, 22(2): 211–222. doi:10.1175/JTECH-1690.1
10. Şen Z., **Sönmez İ**, and Tatli H., 1998: Comment on "Grade estimation using fuzzy set algorithms", *Mathematical Geology*, 30: 1033-1038.

C. National Journals :

1. **Sönmez İ**, Sen Z., 1996 : Meteorological temperature prediction by Artificial Neural Networks, *Meteorological Engineering Journal*, 3, 1-6.
2. **Sönmez İ**, Sen Z., 1996 : Determination of influence areas of Turkish temperature data, *Meteorological Engineering Journal*, pp.3-15, September 1996.

D. International Symposiums :

1. **Sönmez İ**, S. Bağış, B.B. Üstündağ, A. Çetin, 2015 : Agro-meteorological data Quality Control System design for Turkey's agricultural monitoring and information system (TARBIL), *Fourth International Conference on Agro-Geoinformatics*, pages 276 - 279, INSPEC Accession Number: 15439198, IEEE Publisher, İstanbul, Turkey, 20-24 July 2015, DOI: 10.1109/Agro-Geoinformatics.2015.7248118,
2. **Sönmez İ**, E. Erdi, F. Demir, M. Arslan, A.E. Tekeli, 2014: Early findings of the enhancement of MSG fire product by using regionalized thresholds, 34th EARSeL Symposium, pages: 6.64-6.69, Warsaw, Poland, 16-20 June 2014.
3. **Sönmez İ**, Tekeli, A. E. Erdi, E., 2013: Satellite based snow cover validation and long term trend analysis over Turkey. *2013 EUMETSAT Meteorological Satellite Conference/19th American Meteorological Society (AMS) satellite meteorology, oceanography, and climatology conference*. Vienna, Austria, 16-20 September 2013

4. **Sönmez İ** , A.E. Tekeli, E. Erdi, F. Demir, M. Arslan, 2013: Validation of the EUMETSAT active fire product(FIR) using ground truth observations over Turkey. *2013 EUMETSAT Meteorological Satellite Conference/19th American Meteorological Society (AMS) satellite meteorology, oceanography, and climatology conference*. Vienna, Austria, 16-20 September 2013 (Poster)
5. Puca S, Campione E, Labo E, Lapeta B, Kanák J, Koshinchanov G, Kozinarova G, Krahe P, Öztopal A, Pagliara P, Porcu F, Rachimow C, Rinollo A, Roulin E, **Sönmez İ**,Toniazzo A, Vulpiani G, 2011: The validation service of the hydrological SAF geostationary and polar satellite precipitation products, *13th Plinius Conference on Mediterranean Storms*,Savona, Italy, 07 – 09 September 2011
6. Rinollo A, Puca S, Campione E, Kanák J, Koshinchanov G, Kozinarova G, Krahe P, Labo E, Lapeta B, Okon L, Öztopal A, Pagliara P, Porcu F, Rachimow C, , Roulin E, **Sönmez İ**, Toniazzo A, Torrisi L, Vulpiani G, 2011: A common validation protocol accross different countries for the H-SAF precipitation products: ground data evaluation and unification of satellite-ground data comperison procedures, *13th Plinius Conference on Mediterranean Storms*,Savona, Italy, 07 – 09 September 2011 (Poster)
7. Surer S., **Sönmez İ** ., Akyurek Z, Erturk A., 2011: Evaluating the utility of the EUMETSAT H-SAF snow recognition product in mapping snow cover extent over mountainous areas. 2011 EUMETSAT Meteorological Satellite Conference, 5-9 September 2011, Oslo, Norway. (Poster)
8. Öztopal, A., Mugnai, A., Casella, D., Formenton, M., Sano, P., **Sönmez, İ.**, Şen, Z, 2010: Turkish Cloud-Radiation Database (CRD) and Its Application with CDR Bayesian Probability Algorithm, *American Geophysical Union Fall Meeting*, abstract #H23F-1294, 13-17 December, San Francisco, USA(Poster)
9. Aydın G. Ertürk, **Sönmez, İ.**, Şorman A. Ü., 2008: The Validation Of The Snow Cover Mapping Derived From NOAA AVHRR/3 Over Turkey, *EUMETSAT Meteorological Satellite Conference*, 08-12 September, Darmstadt, Germany.
10. Puca S., P. Helmke, J. Kanak, E. Lábó , B. Lapeta, T. Maurer, A.Öztopal, F. Porcù, A. Rinollo, E. Roulin, **İ. Sönmez**, 2008 : Error structure characterisation of geostationary and polar satellite precipitation products developed within the Hydrology-SAF project, *EUMETSAT Meteorological Satellite Conference*, 08-12 September, Darmstadt, Germany.
11. Tekeli A. E., **İ Sönmez**, E. Erdi, F. Demir, M. Arslan, M. L. Çukurçayır, H. Koçak, S. Eminoğlu, 2008 : Representing EUMETSAT’s active fire monitoring product by Google Earth over Turkey, *EUMETSAT Meteorological Satellite Conference*, 08-12 September, Darmstadt, Germany. (Poster)
12. Tekeli A. E., **İ Sönmez**, E. Erdi, M. Arslan, M. L. Çukurçayır, F. Demir, S. Eminoğlu, H. Koçak, 2007 : Preliminary validation studies of EUMETSAT’s active fire monitoring product for Turkey, *The joint 2007 EUMETSAT Meteorological Satellite Conference and the 15th American Meteorological Society (AMS) Meteorology & Oceanography Conference*, 24-28 September, Amsterdam, The Netherlands. (Poster)

13. Şen, Z. Sönmez, İ., Öztopal, A., Kömüştü, A. Ü., Erdi, E., Ertürk, A. G. and Demir, F., 2007: Calibration and Validation of Precipitation products: Three case studies in Turkey, *First Hydrology-SAF Workshop*, 16–18 October, Rome, Italy. (Poster)
14. Şen, Z., Öztopal, A., Kömüştü, A. Ü., Sırdaş, S., Erkuş, M K. and Sönmez, İ., 2007: Presentation of hydrological validation test sites in Turkey, *First Hydrology-SAF Workshop*, 16–18 October, Rome, Italy. (Poster)
15. Sönmez, İ, J. L. Schroeder, W. S. Burgett, K. B. Haynie, 2005: The enhancement of QA/QC tests for West Texas Mesonet Wind Parameters. *The 15th Conference on Applied Climatology/13th Symposium on Meteorological Observations and Instrumentation*, JP1.28, 20-24 June, Savannah, GA, USA. (Poster)
16. Haynie, K. B., J. L. Schroeder, İ. Sönmez, W. S. Burgett, 2005: An overview of the West Texas Mesonet. *The 15th Conference on Applied Climatology/13th Symposium on Meteorological Observations and Instrumentation*, JP2.25, 20-24 June, Savannah, GA, USA. (Poster)
17. Sönmez, İ., and A. L. Doggett, 2003: The West Texas data archive: A tool for wind science and engineering research in West Texas. *Proc. 11th Int. Conf. on Wind Engineering*, 2-5 June, Lubbock, TX, USA, ICWE/NIST, 2021–2028.
18. Sönmez İ., Şen Z., 1998: Artificial neural network approach for natural atmospheric event dynamics and application in meteorology, IMS'98, *The 2nd International Symposium on Intelligent Manufacturing Systems*, 6-7 August, Sakarya, Turkey, 325-332

E. International Workshops :

1. Sönmez İ., E.Erdi, A.E.Tekeli, F. Demir, M. Arslan, 2013: Validation of the FIR product for the 2007-2009 period using ground observations over Turkey, *EUMETSAT 3rd SALGEE Training Workshop: MSG Land Surface Applications:Drought & Fire Emissions*, 20-21 March, 2013, Lisbon, Portugal.
2. Sönmez İ., 2013: Google-Earth use as a monitoring tool for EUMETSAT's active fire product, *EUMETSAT 3rd SALGEE Training Workshop: MSG Land Surface Applications:Drought & Fire Emissions*, 20-21 March, 2013, Lisbon, Portugal.
3. Sönmez İ., E.Erdi, A.E.Tekeli, F. Demir, M. Arslan, 2011: Validation of the EUMETSAT's active fire product by using ground truth, *EUMETSAT 2nd SALGEE Training Workshop: MSG Land Surface Applications, Drought & Fires*, 4-7 April, Antalya, Turkey.
4. Sönmez İ., A.E.Tekeli, E.Erdi, F. Demir, M. Arslan, 2011: Visualization of the EUMETSAT's active fire product by using Google-Earth, *EUMETSAT 2nd SALGEE Training Workshop: MSG Land Surface Applications, Drought & Fires*, 4-7 April, Antalya, Turkey
5. Sönmez İ., A.Ü. Kömüştü, A.Öztopal, 2010: Satellite precipitation validation methodology with ground truth observation over Turkey', *EUMETSAT workshop on Hydrology and Satellite precipitation products*, 12-14 October, Hamburg, Germany.

6. **Sönmez İ.**, E.Erdi, A.E.Tekeli, 2010: Fire detection by means of remote sensing, '*EUMETSAT Training Workshop on : MSG Applications and Nowcasting*', 15-19 March, Alanya, Turkey.
7. **Sönmez İ.**, A.Öztopal, 2009 : Validation of the H01,H02 & H03 precipitation products over Turkey, '*EUMETSAT Hydrology-SAF Precipitation Products Users Training Workshop*', 14-15 December, Rome, İtaly.
8. **Sönmez İ.**, A.E.Tekeli, E.Erdi, 2009: Visualization & validation of the *EUMETSAT's* fire product in Turkey, '*EUMETSAT Training Workshop on MSG Land Surface Applications: Drought and Fires*', 7 - 10 September, Sofia, Bulgaria.
9. **Sönmez İ.**, E.Erdi, A.E.Tekeli, 2008: Google-Earth visulization of the MSG fire product, '*Workshop on: Preventing and mitigating meteorological natural disasters by means of remote sensing*', 2-6 June, Alanya, Turkey.

F. National Symposiums :

1. **Sönmez İ.**, E. Erdi, F. Demir, M. Arslan, H.Koçak, A. Öztopal, 2015 : Türkiye için uydu kaynaklı atmosfer ürünleri veri tabanının tanıtılması [*Satellite based atmospheric products database establishment over Turkey*], II. Meteorological Remote Sensing Symposium, 03-05 Kasım 2015, Antalya, 13-20.
2. Tekeli A.E., **İ Sönmez**, E. Erdi, 2015: Karla kaplı alan tesbiti için IMS uydu kar ürünü kullanılarak kar ihtimalinin hesaplanması [*Determination of snow probability for snow covered area detection using IMS satellite snow product*], VIII. National Hydrology Congress, 08-10 Oct 2015, Şanlıurfa, 232-241
3. **Sönmez İ.**, E. Erdi, A.E. Tekeli, F. Demir, M. Arslan, 2015: Meteosat İkinci Nesil Uyduları (MSG) yangın ürününün bölgesel eşik değerleri ile Türkiye coğrafyası için iyileştirilmesi[*The enhancement of EUMETSAT MSG FIR product by using regionalized threshold for the Turkey domain*], 7. Atmospheric Science Symposium, 28-30 Apr 2015, İstanbul, 853-862.
4. Geçer C, **İ Sönmez**, S. Arıman, K. Öztürk, A. Çubuk, 2015: Samsun meteoroloji radarının havza su yönetiminde kullanımı: 3 Temmuz 2012 Örnek Olay incelemesi [*Samsun meteorological radar use in basin based water management strategy: July 3, 2012 case study*], 7. Atmospheric Science Symposium, 28-30 Apr 2015, İstanbul, 885-894.
5. Yılmaz M.T., A.Ü. Şorman, **İ. Sönmez**, Modellenen Ve İstasyonlarda Ölçülen Toprak Neminin Karşılaştırılması [*Analysis of Soil Moisture product in Turkey by NOAA Land Surface Model*], III. Turkey Climate Change Congress, TİKDEK 2013, 3-5 Jun 2013, İstanbul, 167-174.
6. **Sönmez İ.**, A.E. Tekeli, E. Erdi, 2013: Uydu kar ürünü verileriyle Türkiye için bölgesel ve mevsimsel karla kaplı alan trend analizi [*Regional and seasonal snow covered area trend analysis over Turkey using satellite based snow cover product*], 6. Atmospheric Science Symposium, 24-26 Apr 2013, İstanbul, 367-376.
7. Arslan M., F. Demir, E. Erdi, **İ.Sönmez**, A.E. Tekeli, 2013: Türkiye'deki Yer Gözlemleri Kullanılarak MSG Yangın Gözlem Ürününün Validasyonu [*Validation of the*

METEOSAT Second Generation fire product over Turkey], I. Meteorological Remote Sensing Workshop, 05-07 Nov 2013, Antalya, 201-212,

8. **Sönmez İ**, A.E. Tekeli, E. Erdi, 2012: Türkiye'deki Karla Kaplı Alanların Uydulardan Takibi ve Uzun Yıllar Trend Analizi [*Satellite based snow cover monitoring over Türkiye and long term trend analysis*]. IV. Remote Sensing and Geographical Information System Symposium, 16-19 Oct 2012, Zonguldak, Paper No:022.
9. **Sönmez İ**, E. Erdi, A.E. Tekeli, F. Demir, M. Arslan, 2011: Türkiye İçin METEOSAT İkinci Nesil Uyduları(MSG) Yangın Ürünü(FIR) Validasyonu [*Validation of the METEOSAT Second Generation(MSG) fire product over Turkey*], 5. Atmospheric Science Symposium, 27-29 Apr 2011, İstanbul, 485-493.
10. **Sönmez İ**, S. Köksal, O.Eskioğlu, Y.Çalık, 2011: Otomatik Meteorolojik Ölçüm İstasyonları İçin Veri Kalite Kontrol Sistem Tasarımı [*Data quality control procedures for the automated weather observation systems (AWOS)*], 5. Atmospheric Science Symposium, 27-29 Apr 2011, İstanbul, 495-503.
11. **Sönmez İ**, A.Ü. Kömüscü ve E. Erdi, 2010: EUMETSAT Hidroloji-SAF uydu yağış ürünlerinin yer gözlemleri ile doğrulanması [*The validation of the EUMETSAT Hydrology HAF precipitation products using ground truth data*], 1. Meteorology Symposium, 27-28 May 2010, Ankara, 105-114.
12. **Sönmez İ**, E. Erdi, A.E. Tekeli, F. Demir, M. Arslan, M.L. Çukurçayır, S. Eminoğlu, H. Koçak, M.E. Zeybek, M. Kuzuca, 2009 : Orman Yangınlarının Uydu Teknolojileri İle Tespiti Ve Google-Earth Yardımı İle Gösterimi [*The determination of the forest fires by means of satellite data and visulization of them using Google-Earth media*], 1. Forest Fire Combat Symposium, 07-10 Jan 2009, Antalya, 280-287.
13. **Sönmez İ**, N. Mert, S. Köksal, M. Kunt, E. Kılıç,H. Saykılı ve F.Ayaroğlu, 2008 : Sinoptik veri kalite kontrol sistemi tasarımı [*Determination of the quality control/assurance procedures for the synop observations*], IV. Atmospheric Science Symposium, 25-28 Mar 2008, İstanbul, 25-32.
14. **Sönmez İ**, A. Öztopal, A.Ü. Kömüscü, Z. Şen, E. Erdi, F. Demir, 2008 : MSG-SEVIRI ve NOAA-AMSU sensör verilerinden üretilen uydu yağış şiddeti ürünlerinin Batı Karadeniz Havzasında validasyonu [*Validation of the MSG/SEVIRI and NOAA/AMSU sensors data-derived satellite rainrate product in the western Black Sea basin*], IV. Atmospheric Science Symposium, 25-28 Mar, İstanbul, 547-548.
15. Demir F., **İ. Sönmez**, E. Erdi, A.E. Tekeli, H. Koçak, A. Ü. Kömüscü, 2008 : EUMETSAT MPE uydu yağış ürününün doğrulama çalışmaları [*The validation of the EUMETSAT MPE satellite precipitation product*], IV. Atmospheric Science Symposium, 25-28 Mar, İstanbul, 233-240.
16. Bestepe F., **İ. Sönmez**, A.E. Tekeli, 2008 : Radar yağış siddeti ürününün yağışölçer verileri ile düzeltilmesi [*Gauge adjustment methodologies for Balıkesir Radar*], IV. Atmospheric Science Symposium, 25-28 Mar, İstanbul, 539-546.
17. Tekeli A.E, **İ. Sönmez**, E. Erdi, F. Demir, M. Arslan, M.L.Çukurçayır, H. Koçak, 2008 : Uydu tabanlı yangın ürünlerinin Google-Earth ile gösterimi [*The Google-Earth use in*

visualization of the satellite based fire products], IV. Atmospheric Science Symposium, 25-28 Mar, İstanbul, 549-554.

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