

2) Scholarships and Grants; Research Projects, Other activities

International

1. 1963 Sep–1964 Oct **"Ford Foundation Scholarship"**, awarded for research with the Atomic Beam Group at the University of California, Berkeley, USA.
2. 1966 Sep–1967 June **"Fulbright Scholarship"** awarded for post-graduate studies at Fordham University, New York, USA
3. 1972 **"UK Science Research Council Grant"**, "Goddard Space Flight Center, NASA, USA (for one month visit to the Goddard Space Flight Center).
4. 1975-1976 **"U.S. Air Force Office of Space Research"** "Determination of the Total Electron Content Over Ankara by Means of ATS-6 Satellite Faraday Rotation Signals, METU.
5. 1979 July- Sep **"NATO Research Grant (1747)"**, for research on sun-water relationships at the Appleton Laboratory, UK.
6. 1988-1991 **"NATO Research Grant (0753/87)"**, Influence of the interplanetary medium on mid-latitude ionospheric variability. NATO Research Grant for research on ionospheric variability at the Rutherford Appleton Laboratory, UK.
7. 1992-1995 **"NATO-AGARD (T-73) Research Grant"**, Fading Experiments Between the UK and Turkey, Rutherford Appleton Laboratory, UK.
8. 1995 Aug-Sep **European Scientific Exchange Program (ESEP) Grant**, to pursue research at the Rutherford Appleton Laboratory, UK.
9. 1997-2001 **NATO/AGARD 637 GT 1A and 1B: Surface Boundary Layer Refractive Index Measurements in Greece, Turkey and UK Relevant to Optical and Microwave Frequencies in Aerospace Operations.**

10. The European Framework Programs, Actions (1990-2008)

- i. 1992-1995 **EU COST 238** : Prediction and Retrospective Ionospheric Modelling over Europa, MC Member, National Project Manager
- ii. 1995-1999 **EU COST 251**: The Impact of the Upper Atmosphere on Terrestrial and Earth-Space Communications, MC Member, National Project Manager
- iii. 2000-2004 **EU COST 271**: Effect of the upper atmosphere on terrestrial and Earth-space communications, MC Member, National Project Manager
- iv. 1999-2001 **ESF Scientific Network: Space processes and electrical changes influencing atmospheric layers (SPECIAL I and II), National Member.**
- v. 2000-2001 **THY-Snecma-İTÜ Offset Program, Project Coordinator.**
- vi. 2000- **Earthquake Precursors in the Ultra Low Frequency (ULF) Range, Tel Aviv University-METU-İTÜ, Project (support sought).**

vii. 2005-2010

EU (EC) COST 296: Mitigation of Ionospheric Effects on Radio Systems (MIERS), MC Member, National Project Manager

viii. 2004-2008

EU (EC) COST 724: Developing the Scientific Basis for Monitoring, Modelling and Predicting Space Weather, MC Member, National Project Manager

ix. 2006-2008

EU (EC) SWEETS: FP6 Specific Support Action: Space Weather and Europe - An Education Tool with the Sun, National Member and Turkish Project Chair

x. 2008-2012

EU "COST ES0803 Developing Space Weather Products and Services in Europe, *Expert, Subgroup leader*

11. 2007-2015

The European Framework Programs,(FP6,FP7)

Page | 3

i. *Board Member, EU FP7 Space Advisory Group (SAG), (2007-2013)*

ii. *Evaluator, EU FP7 Security project proposals, (2007-2009)*

iii. *Expert Independent Reviewer, EU FP6 Integrated Project: SAFEE (Security of Aircraft in the Future European Environment), (2004-2009) Just before the SAFEE Action ended, YT was invited to a "lunch advisory working meeting" on the SAFEE at the EUROPEAN PARLIMENT.*

iv. *National Project Manager and Participant, EU FP6 Specific Support Action: Space Weather and Europe: An Education Tool with the Sun (SWEETS), (2007-2009)*

v. *EU COST 724 Developing the Scientific Basis for Monitoring, Modeling and Predicting the Space Weather, MC Member, National Project Manager (2004-2008)*

vi. *"International Heliophysical Year (IHY) European Section Steering Committee (SC)" Member (2006-2011)*

vii. *Independent expert, acting as evaluator, in the evaluation of research proposals in relation to Fp7 Space Theme-2010-1 and FP7 Security Theme FP7-Sec-2009 "2.3-01 Security of space assets from space weather events" (2009-2011)*

iii. *Independent expert, acting as rapporteur, in the evaluation of research proposals in relation to FP7-SPA-2011.2.3.-01"Prevention of impacts from Near Earth Objects (NEO's) on our Planet"*

ix. *Independent expert, acting as evaluator, in the evaluation of research proposals in relation to FP7-SPACE-2012-1 and FP7- SPACE-2013-1*

National

12. The Turkish Scientific and Technical Research Council (TÜBİTAK) : Partial/full support

- i.* 1974-1976 "TBAG 186 A, B", The Effects of Meteorological Parameters on Air Pollutants Observed at the METU Campus.
- ii.* 1980, 1981, 1987 " TBAG 362, TBAG 479; TBAG 572" for analysis of Ariel-4 satellite electron densities.
- iii.* 1981 " ÇAG 35" A spectral analysis of the geomagnetic field data as recorded by the Kandilli Observatory.
- iv.* 1995-2002 METU AEE, METU EE, İTÜ UUBF, TUBİTAK BDP, Integrated Graduate Program between National and International Programs, Project Coordinator.
- v.* 1978 Feb-Sep TUBİTAK Post-Doctoral Grant for research on sun-weather relationships at the Appleton Laboratory, UK.

13. İTÜ RTD Foundation, Turkish Air Force : Partial/full support

- i.* 1999-2002 **İTÜ FBE(1213)** : Space Weather and Radio Propagation Forecasting Using Electronic Medium.
- ii.* 1999-2001 **İTÜ AFD (1216)** : A/C Motor Condition Monitoring.
- iii.* 1999-2000 T41-D, A/C "flutter" Analysis, **2nd TAF HİBM-İTÜ**, Project Coordinator.
- iv.* 2000-2001 T37-38 A/C Modernization training Project, **1st TAF HİBM-İTÜ**; Project.
- v.* 2000-2001 **İTÜ AFD (1412)**, Space weather forecasting.
- vi.* 2001-2003 National and International Integrated Graduate Programme : Special Programme for the Turkish Air force Personnel, **TAF-İTÜ-ODU**, Project Coordinator.

14. State Planning Organization (DPT) : Partial/full support

- i.* 1996-1998 **DPT 96K121520**: Attitude Control and Orbit Simulation of Geostationary Satellites like TURKSAT 1B.