

CV (Executive Summary)
YURDANUR KABASAKAL TULUNAY



Born

11 Dec. 1940; in İstanbul, Turkey

Education

1963; Diploma in Eng. Degree in Physics, Ankara University
1968; MSc in Nuclear Physics, Fordham University ,USA
1972; PhD in Space Research, Birmingham University, UK

Academic and Administrative Qualifications

2019-	Turkish Space Agency Board Member
2007-2013	Board Member, EU7EC FP7 Space Advisory Group (SAG),
2004-	Professor- Middle East Technical University (METU), Dept. of Aerospace Eng., Ankara, Turkey
(1984-90) and (1990-07)	Professor- İstanbul Technical Univ. (İTÜ) AND (METU) ., Ankara, Turkey
(1984-90) and (1997-05)	(Assoc. Dean; Dept. Head; Univ.Senate Memb; Univ. Adm. Board Memb) AND (Dean) at İTÜ, Faculty of Aeronautics and Astronautics, Istanbul, Turkey
1982-1983	Assoc.Prof., Inst. of Space and Astronautical Science ISAS (JAXA), Tokyo, Japan
1978-1979	Visiting Assoc. Prof. (Doç.), Selçuk Univ. , Dept. of Physics, Konya, Turkey
1978- 1984	Assoc. Prof. , METU Dept. of Physics, Ankara, Turkey
1975-1984	Asst. Prof., Middle East Technical University, Dept. of Physics, Ankara, Turkey
1968-1975	Research Associate- Member of Senior Common Room(SCR) AND Member of SCR of Halls of Residences, Birmingham Univ. , UK
1966-1968	Teaching Asst. Fordham Univ. , Bronx, NY, USA
1964-1966	Teaching Asst. METU Dept. of Physics, Ankara, Turkey
1963-1964	Visiting Researcher, Univ. of California, Berkley, USA

Academic Experience

- Research and development projects at the universities mentioned above **AND** also at **NASA Goddard Space Flight Centre, USA; Appleton AND CLRC Rutherford** Laboratories, UK.
- Teaching and leading R&D projects at METU, Ankara; Selçuk; Konya; Firat; Elazığ. Univ.s.
- Dr. Tulunay founded the Astronautics Department in İTÜ.
- She has refereed, evaluated and reviewed projects in the EU Framework Programs(**FP6** and **FP7**) on Space Weather and Earth Observations from Space;**and** European Science Foundation (ESF Network); NATO–AGARD-RTO Research Grants; NATO Advanced Study Institute (ASI); Fulbright Scholarships; **AND** she been refereing articles for several international and national journals.

In particular, during **FP6** and **FP7** EU **Actions** between (1990-2015), She has served

- As **Advisory Group Board** Member;
- International Heliophysical Year (**IHY**) European **Steering Committee** Member;
Having served on numerous committees, she has gained extensive administrative international experience in her capacities;
- **As independent Expert EC Reviewer of the "Security of Aircraft in the Future European Environment (SAFEE) Action"** between 2004-09;
- **COST ES0803 subgroup leader;**
- **Management Committee (MC) Member, researcher and national project manager** of the **COST Actions of 238; 251; 271; 296; 724.**

Dr. Tulunay has experienced a unique opportunity when she was invited to attend the **"Advisory Lunch Meeting"** at the **EU Parliament** to discuss some of the **SAFEE end products.**

She served as member of several associations including geophysical societies, AIAA; EGU, KALDER (Turkish Society for Quality)

Interests and Achievements

Dr. Tulunay has been teaching undergraduate and graduate courses and carrying out research on Near Earth Space, Space Physics and the impact of Space Weather on technological and life systems.

The Near Earth Space interest was kindled in 1968, when she was involved in the management and operational committees of Ariel 3 and Ariel 4 satellites in UK.

Since 2007, Dr. Tulunay has been interested in **creating awareness** on Space Weather and Sun-Earth Interaction among school children in the age group between 7 and 11 years and senior people. (<http://www.ilovemysun.net>)

She has a total of 228 original publications as of 29 Sep 2019, of which (171/228) are in international journals monitored by SCI; (16/228) are as "article in a book" and (141/228) are in peer reviewed proceedings of international meetings or conferences.

As a typical measure on both productivity and citation impact, a "Google Scholar Academic Search" indicates that **only** between (1971-2019) these publications have been cited 1241 times (*App.1, as example – the GOOGLE SCHOLAR*).

In 1996 Dr. Tulunay was honored by the **METU Mustafa Parlar Science Award.**

In 1994, 1999, 2003, she was **nominated** by **METU** and **İTÜ** for the TÜBİTAK Science Award.

Along with teaching some other activities (2007-2015) :

- i. ***Evaluator, EU FP7 Security project proposals, (2007-2009)***
- ii. ***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.***
- iii. ***National Project Manager and Participant, EU FP6 Specific Support Action: Space Weather and Europe: An Education Tool with the Sun (SWEETS), (2007-2009)***
- iv. ***EU COST 724 Developing the Scientific Basis for Monitoring, Modeling and Predicting the Space Weather, MC Member, National Project Manager (2004-2008)***
- v. ***"International Heliophysical Year (IHY) European Section Steering Committee (SC)" Member (2006-2011)***
- vi. ***EU "COST 296 Mitigation of Ionospheric Effects on Radio Systems", MC Member, National Project Manager, (2005-2010)***
- vii. ***EU "COST ES0803 Developing Space Weather Products and Services in Europe, Expert, Subgroup leader (2008-2012)***
- viii. ***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)***
- ix. ***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"***
- x. ***Independent expert, acting as evaluator, in the evaluation of research proposals in relation to FP7- SPACE-2012-1 and FP7- SPACE-2013-1***
- xi. ***Independent expert, acting as evaluator, in the evaluation of research proposals in relation to H2020-SPACE-2019***

Extra-Curricular Interests

Music, Reading, Swimming, Social Work. Outreach (<http://www.ilovemysun.net>)

REFERENCES

- 1) <http://www.ae.metu.edu.tr/~cost/>
- 2) *Curriculum Vitae*

CONTACT

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Feb 2017, Ankara


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APPENDICES

The following references are quoted from the "Google Scholar" academic search engines as of 29 Sep 2019:

App.1 : GOOGLE SCHOLAR CITATION INDICES:

Google Scholar search covers the years only between (1971-2019)



Yurdanur Tulunay 

Professor of Near Earth Space, [Middle East Technical University](#).
Verified email at ae.metu.edu.tr - [Homepage](#)
near earth space space weather nuclear physics

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	Cited by	
	All	Since 2014
Citations	1241	284
h-index	20	9
i10-index	31	8

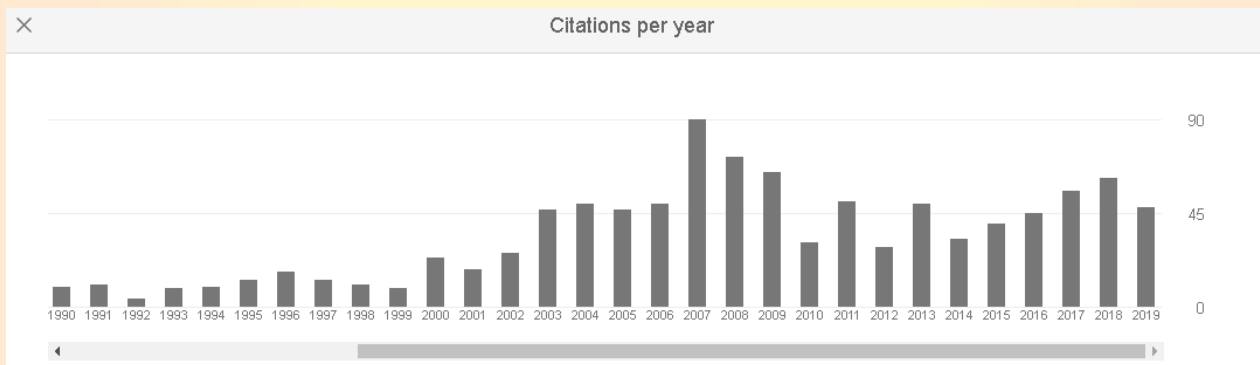






Fig. 1: Histogram of number of cited publications per year between, only 1990-2019 as sample

<https://scholar.google.com/citations?user=FLgB0mQAAAAJ&hl=en&oi=ao>

App.2 : RESEARCHGATE CITATION INDICES:

ResearchGate search covers the years only between (1999-2019)

526.0 Research Interest  More details	977 Citations  View	3 Recommendations  Show breakdown	2,998 Reads  Show breakdown
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