

# **Prof. RIZA GÜRCAN ORALTAY**

## **Personal Information**

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## **International Researcher IDs**

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## **Biography**

1982 Hacettepe Fizik muhendisligi, 1985-1990 University of Nevada, Reno atmosferik bilimler doktora, 1991 NASA-Ames arastirici, 1992 yilindan itibaren Marmara Universitesinde akademik hayat, sirasi ile Y.Doc, Doc ve Prof.

## **Education Information**

Doctorate, University of Nevada, Reno, Arts and Sciences, Physics, United States Of America 1988 - 1990  
Postgraduate, University of Nevada, Reno, Arts and Sciences, Physics, United States Of America 1985 - 1988  
Undergraduate, Hacettepe University, Mühendislik Fakültesi, Fizik Mühendisliği Bölümü, Turkey 1976 - 1981

## **Foreign Languages**

English, C1 Advanced

## **Research Areas**

Engineering and Technology

## **Academic Titles / Tasks**

Professor, Marmara University, Faculty of Engineering, Environmental Engineering, 2002 - Continues

## **Published journal articles indexed by SCI, SSCI, and AHCI**

- I. **Surface Investigation of Metal Threads and Solid Metals of Ottoman Textiles in the Topkapi Palace Museum**  
ORALTAY R. G., Karadag R.  
STUDIES IN CONSERVATION, vol.65, no.1, pp.59-64, 2020 (SCI-Expanded)
- II. **Structural and Near-Infrared Properties of Nd<sup>3+</sup> Activated Lu<sub>3</sub>Nb<sub>07</sub> Phosphor**  
Ilhan M., EKMEKÇİ M. K., ORALTAY R. G., BAŞAK A. S.  
JOURNAL OF FLUORESCENCE, vol.27, no.1, pp.199-203, 2017 (SCI-Expanded)

- III. The melting layer: A laboratory investigation of ice particle melt and evaporation near 0 degrees C**  
Oraltay R. G., Hallett J.  
JOURNAL OF APPLIED METEOROLOGY, vol.44, no.2, pp.206-220, 2005 (SCI-Expanded)
- IV. Real-time liquid water mass measurement for airborne particulates**  
Rogers C., Watson J., Day D., Oraltay R. G.  
AEROSOL SCIENCE AND TECHNOLOGY, vol.29, no.6, pp.557-562, 1998 (SCI-Expanded)
- V. Ice particle generation during evaporation**  
Dong Y., Oraltay R. G., Hallett J.  
ATMOSPHERIC RESEARCH, vol.32, pp.45-53, 1994 (SCI-Expanded)
- VI. SCAVENGING OF SOOT PARTICLES BY ICE CRYSTALS**  
ORALTAY R. G., HALLETT J.  
JOURNAL OF AEROSOL SCIENCE, vol.21, 1990 (SCI-Expanded)
- VII. Evaporation and Melting of Ice Crystals: A Laboratory Study**  
Oraltay R. G., Hallett J.  
ATMOSPHERIC RESEARCH, vol.24, pp.169-189, 1989 (SCI-Expanded)
- VIII. THERMAL-EXPANSION, SPECIFIC-HEAT AND FORCED MAGNETOSTRICTION IN Y9Co7**  
ORALTAY R. G., FRANSE J., BROMMER P., MENOVSKY A.  
JOURNAL OF PHYSICS F-METAL PHYSICS, vol.14, no.3, pp.737-747, 1984 (SCI-Expanded)

## Articles Published in Other Journals

- I. Investigation of Metal Wired Coloured Historical Textile Using Scanning Electron Microscopy and HPLC-DAD**  
YURDUN T., KARSLI ÇEPPİOĞLU S., ORALTAY R. G.  
Journal of Chemistry and Chemical Engineering, vol.6, pp.591, 2012 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. Hava Kalitesi Ölçümlerinde Doğal Temizlenme Mekanizmalarının Önemi: 1993-94 Dönemi Pendik-Kaynarca Yöresi Ölçümleri**  
OKAY C., ORALTAY R. G.  
Yanma ve Hava Kirliliği Kontrolü III. Ulusal Sempozyumu, ODTÜ Çevre Mühendisliği Bölümü, Turkey, 11 - 13 September 1995
- II. ICE PARTICLE GENERATION DURING EVAPORATION**  
DONG Y., ORALTAY R. G., HALLETT J.  
11th International Conference on Clouds and Precipitation, Montreal, Canada, 17 - 21 August 1992, pp.45-53
- III. SCAVENGING OF AEROSOL-PARTICLES BY GROWING AND EVAPORATING ICE CRYSTALS - ASSESSING THE ROLE OF COMPETITIVE PROCESSES**  
PRODI F., ORALTAY R. G.  
5TH INTERNATIONAL CONF ON PRECIPITATION SCAVENGING AND ATMOSPHERE-SURFACE EXCHANGE PROCESSES, Washington, United States Of America, 15 - 19 July 1991, pp.75-86

## Metrics

- Publication: 12  
 Citation (WoS): 108  
 Citation (Scopus): 138  
 H-Index (WoS): 5

H-Index (Scopus): 6