**CV**

**NAME :** Güngör Gündüz

**TITLE :** Professor

**ADRESSES :** Work: Department of Chemical Engineering

 Middle East Technical University (METU)

 ODTU

 Ankara, 06531, TURKEY

 Phone: 90-312-210 26 16

 Fax : 90-312-210 12 64

 e-mail : ggunduz@metu.edu

 URL: <http://www.che.metu.edu.tr/~ggunduz/>

 Home: Atakent Sitesi, 2621. Sok., no:29,

 Koru Mahallesi, Ankara, Turkey

 Phone: 90-312-242 20 10

**BIRTH :** May 14, 1945

**CITIZENSHIP** **:** Turkish

**MARITAL STATUS :** Married, have two sons, 35 and 27 years old

 Wife: Professor of Molecular Biology,

 Dept. of Biology, METU

**LANGUAGES :** English, read and speak

 French, read

**EDUCATION :** Ph.D., Nucl. Eng., Iowa State University, Ames, Ia. 50011, USA, 1975

 M.Sc., Chem. Eng. METU, Ankara, 1970

 B.Sc., Chem. Eng. METU, Ankara, 1968

**DUTIES :** Faculty member in;

 (i) Dept. of Chemical Eng.(1975+)

 (ii) Nuclear Eng. Program

 (interdisciplinary, 1984-1992)

 (iii) Polymer Science and Technology Program

(interdisciplinary, 1992+)

 (iv) Affiliated faculty in Institute of Applied

Mathematics (interdisciplinary, 2008+)

**EXPERIENCE :** 1975-present : METU, teaching, academic

advising

 1975-1976 : Anadolu University, part time,

 teaching

 1976-1977 : Gazi University, part time,

 teaching

 1982-1983 : Teaching in Center for Nuclear Studies, Memphis State

 University, Memphis, Tennessee,

 USA

 2002-2003 : Teaching in Materials Science and Engineering Department, Iowa State University, USA teaching, research

**PROFESSIONAL ACTIVITIES :**

 Present : (i) Turkish Chem. Eng. Society

 : (ii) Turkish Polymer Society

#### Past : (i) Turkish Physical Society

(ii) American Physical Society

(iii) Member of Advisory Group for Radiation

Protection, Turkish Atomic Energy Agency

(iv) Affiliate member of the Federation Societies

 for Coatings Technology

**REFERRAL WORK :** Chimica Acta Turcica

 **:** Cement & Concrete World

 **:** Journal of Aplied Polymer Science

 **:** Industrial Crops and Products

 **:** Journal of Mathematical Sociology

 **:** Sociological Theory

 **:** Physica A

 **:** Physica D

 **:** Physics Letters A

 **:** Materials Letters

 **:** J. Nanoscience and Nanotechnology

 **:** Journal of Composite Materials

 **:** Polymer Engineering & Science

 **:** Materials Chemistry and Physics

**COURSES TAUGHT** **:** Listed separately

**PUBLICATIONS :** Listed separately

**FIELDS OF RESEARCH :**

Past : Neutron activation analysis

 Plasma turbulence

 Polymer-concrete composite materials

 Nuclear shielding materials

 Steel-fiber reinforced polymer concrete composites

 Food irradiation

 In-core fuel management in nuclear reactors

 Phenol - formaldehyde resins

 Flame retardant polymers

 Polymer composites

 Nuclear fuels

Present (last ten years):

 Mechanical properties of polymers

 Advanced ceramics (CVD and plasma assisted CVD)

 Polymer chain statistics

 Flame retardant paints

 Water dispersed paints

 Carbon nanotubes

 Dendritic and hyperbranched polymers

 Polymeric & ceramic nanofibers (electrospinning technique)

 Functional polymers

 Functionalized nano materials with inorganic core

 Nano composites

 Zirconium tungstate composites with tuned thermal expansion

 Patterns and fractals

 Production of nanocables

 Special effect pigments

 Modeling of evolutionary network relations (such as wars,

 financial markets, music) by physical concepts and laws