**CV**

**NAME :** Güngör Gündüz

**TITLE :** Professor

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

Middle East Technical University (METU)

ODTU

Ankara, 06531, TURKEY

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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