

## F. SENİHA GÜNER

**Date of Birth** : January 18, 1962

**Academic Rank** : Associate Professor of Chemical Engineering, Full-Time

	<u>Field</u>	<u>Institution</u>	<u>Date</u>
B.Sc.	Chemical Engineering	Istanbul Technical University	1983
M.Sc.	Chemical Engineering	Istanbul Technical University	1990
Ph. D.	Chemical Engineering	Istanbul Technical University	1993

### **Service on Faculty :**

Assistant	Chemical Engineering	1987-1994
Assistant Professor	Chemical Engineering	1994-1996
Associate Professor	Chemical Engineering	1996-Present

### **Other Related Experience :**

#### Visiting Scientist :

Researcher, University of Karlsruhe, Germany, 1997-1998

#### Industrial :

Chemical Engineer, Bitlis Company, Şark Textile, 1984-1987

### **Consulting, Patents and Funded Projects :**

*Preparation of High-Solid Surface Coating Materials and Determination of Their Rheological Properties*, ITU Research Fund Project, 1999-2001

*Decreasing of Solvent Content in the Formulation of Solvent-Based Paint*, ITU Research Fund Project, 2001-Present

*Removal of PAH and Boron from Waste Water by Using Polyurethane Resins*, ITU Research Fund Project, 2000-Present

*Determination of Rheological Properties of Water-Based Binder*, ITU -Deutsche Gesellschaft für Technische Zusammenarbeit (GTZ, Germany)) Common Project, 2001-Present

### **Principal Publications (1997-2002):**

**Güner, F. S.**, *Castor Oil Dehydration Kinetics*, Journal of the American Oil Chemists' Society, Vol. 74, No. 4, p.409 (1997).

**Güner, F. S.**, *Anchovy Oil Thermal Polymerization Kinetics*, Journal of the American Oil Chemists' Society, Vol. 74, No. 12, p.1525 (1997).

Graczyk, J., Buggisch, H., **Güner, F. S.**, *Gleitverhalten von Aluminiumoxid-Siliconöl-Pasten bei der Extrusion*, Chemie Ingenieur Technik, Vol. 72, p. 714 (2000).

**Güner, F. S.**, Erciyes, A. T., *Studies on Some Specific Reactions and Kinetics of Various Oil Specimens*, Resent Research Developments in Oil Chemistry, Transworld Research Network, Trivandrum, Volume 4, pp. 45-59, 2000.

**Güner, F. S.**, Gümüşel, A., Calica, S., Erciyes, A. T., *A Study of Film Properties of Some Urethane Oils*, Journal of Coatings Technology, 74 (929), pp 55-59, 2002.

**Scientific and Professional Society Memberships :**

ITU Alumni Society  
Member of German Academic Exchange Service (DAAD) Turkish Organization

**Honors and Awards :**

DAAD grant to research in Germany, 1997-1998

**Institutional and Professional Service in the Last Five Years :**Courses :

	<u>Hours/wk (Lecture)</u>	<u>Type of Course</u>
AKM204 Fluid Mechanics	3	Undergraduate
MBM 507 Polymer Chemistry	3	Graduate
PST5502E Polymer Rheology	3	Graduate
KMM511 Engineering Mathematics	3	Graduate

Other Assignment Duties :

Member of Faculty Scholarship Committee, 2001-Present  
Member of Department Accreditation and Quality Committee, 2001-Present  
Member of Department Safety and Waste Management Committee, 1999-2002  
Advising graduate and undergraduate students

**Professional Development Activities in the Last Five Years :**

ACHEMA 97, International Meeting on Chemical Engineering, Frankfurt, Germany, 1997  
33<sup>rd</sup> International Seminar for Research and Teaching, Karlsruhe, 1998  
Seminar on Modeling and Analysis of Relaxation Processes in Glass, Department of Mechanical Engineering, METU, Ankara, Turkey, 3-4 October 1999  
Eastern Mediterranean Chemical Engineering Conference, Ankara, Turkey, 2001  
International Paint, Varnish, Ink and Auxiliary Products Industry Conference and Exhibition, Istanbul, Turkey, 2001  
Schedule for Lecture Series on Numerical Methods in Fluids, Department of Mechanical Engineering, Koç University, Istanbul, Turkey, 3-5 May 2002