

Asst. Prof. FATMA DİNÇ

Personal Information

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Education Information

Doctorate, Marmara University, Fen Bilimleri Enstitüsü, Fizik, Turkey 2005 - 2013

Postgraduate, Marmara University, Fen Bilimleri Enstitüsü, Fizik, Turkey 1999 - 2002

Undergraduate, Marmara University, Atatürk Eğitim Fakültesi, Fizik Öğretmenliği (İngilizce), Turkey 1993 - 1998

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Education Management and Planning, TÜBİTAK 2237-B Mühendislik ve Teknolojik Bilimlerde Proje Yazma Eğitimi, TÜBİTAK, 2018

Dissertations

Doctorate, Simha-Somcynsky Kuramı Kullanılarak Polimerlerin Newtonyen ve Newtonyen Olmayan Viskoz Davranışının Serbest Hacim Cinsinden İncelenmesi, Marmara University, Fen Bilimleri Enstitüsü, Fizik, 2013

Postgraduate, Bazı Hidrokarbon Karışımlarının Viskoz Davranışının Denge ve Transport Kuramları ile İlişkilendirilmesi, Marmara University, Fen Bilimleri Enstitüsü, Fizik, 2002

Research Areas

Physics, Interdisciplinary Physics and Related Science and Technology Areas, Natural Sciences

Academic Titles / Tasks

Karadeniz Technical University, Sürmene Abdullah Kanca Meslek Yüksekokulu, Makine Ve Metal Teknolojileri, 2018 - Continues

Assistant Professor, Karadeniz Technical University, Sürmene Abdullah Kanca Meslek Yüksekokulu, Makine Ve Metal Teknolojileri, 2014 - 2018

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Interrelationships of Pressure-Dependent Hole Fraction and Elongational Viscosity in Polymer Melts**
Sahin-Dinc F., YAHŞI U., Sedlacek T.
ADVANCES IN POLYMER TECHNOLOGY, 2019 (Journal Indexed in SCI)
- II. **The Effect of Hole Fraction on Viscosity in Atactic and Syndiotactic Polystyrenes**
Sahin-Dinc F., Sorrentino A., TAV C., YAHŞI U.
INTERNATIONAL JOURNAL OF THERMOPHYSICS, vol.36, pp.3239-3254, 2015 (Journal Indexed in SCI)
- III. **Hole Fraction Dependence on Linear Viscosity of PS, PP and ABS**
Sahin-Dinc F.
INTERNATIONAL POLYMER PROCESSING, vol.30, no.5, pp.585-592, 2015 (Journal Indexed in SCI)
- IV. **On the Non-Newtonian Viscous Behavior of Polymer Melts in Terms of Temperature and Pressure-Dependent Hole Fraction**
Dinc F., Sedlacek T., Tav C., Yahşi U.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.131, 2014 (Journal Indexed in SCI)
- V. **Linking the viscous and vacancy behavior of mixtures of high-molecular-weight hydrocarbons**
Sahin F., Tav C., Yahsi U.
INTERNATIONAL JOURNAL OF THERMOPHYSICS, vol.27, no.5, pp.1501-1514, 2006 (Journal Indexed in SCI)
- VI. **Linking the viscous and vacancy behavior of high molecular weight hydrocarbons**
Yahsi U., Sahin F.
RHEOLOGICA ACTA, vol.43, no.2, pp.159-167, 2004 (Journal Indexed in SCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **CORRELATION AND PREDICTION OF DYNAMIC VISCOSITY OF PURE HYDROCARBONS OVER LARGE TEMPERATURE AND PRESSURE RANGES**
Şahin-Dinç F., Yahşi U.
Turkish Physical Society, 35th International Physics Congress, Muğla, Turkey, 4 - 08 September 2019, pp.191
- II. **Investigation Of Dynamic Viscosity Of Diesel Fuels In Terms Of Temperature And Pressure Dependent Hole Fraction**
DİNÇ F., Schaschke C., Yahşi U.
34th International Physics Congress, Muğla, Turkey, 5 - 09 September 2018, pp.285
- III. **Infuence of Hole Fraction on Elongational Viscosity of Polymer Melts**
DİNÇ F., Sedlacek T., Yahşi U.
33rd International Physics Congress, Muğla, Turkey, 6 - 10 September 2017, pp.313
- IV. **Effect of Tacticity on Viscosity-Hole Fraction Behavior of Atactic and Syndiotactic Polystyrenes**
DİNÇ F., Sorrentino A., TAV C., Yahşi U.
XI Chemical Physics Congress, İstanbul, Turkey, 17 - 18 October 2014, vol.2, no.2, pp.12-14
- V. **A non-Newtonian Viscosity Model Associated With Pressure Dependent Hole Fraction**
DİNÇ F., TAV C., Yahşi U., Sedlacek T.
30th International Physics Congress, İstanbul, Turkey, 2 - 05 September 2013, pp.187
- VI. **The Link of the Equilibrium and Transport Theories of High Molecular Weight Hydrocarbons**
DİNÇ F., Yahşi U.
6. National Liquid-State Physics Symposium, İstanbul, Turkey, 14 - 16 June 2002, pp.19

Other Publications

- I. **Effect of Tacticity on Viscosity-Hole Fraction Behavior of Atactic and Syndiotactic Polystyrenes**
DİNÇ F., Sorrentino A., Tav C., Yahsi U.
Presentation, pp.12-14, 2015

Edit Congress and Symposium Activities

Türk Fizik Derneği 35th International Physics Congress, Session Moderator, Muğla, Turkey, 2019

Türk Fizik Derneği 34th International Physics Congress, Session Moderator, Muğla, Turkey, 2018

INVESTIGATION OF DYNAMIC VISCOSITY OF DIESEL FUELS IN TERMS OF TEMPERATURE AND PRESSURE DEPENDENT HOLE FRACTION, Attendee, Muğla, Turkey, 2018

Influence of Hole Fraction on Elongational Viscosity of Polymer Melts, Attendee, Muğla, Turkey, 2017

Effect of Tacticity on Viscosity-Hole Fraction Behavior of Atactic and Syndiotactic Polystyrenes, Attendee, İstanbul, Turkey, 2014

A non-Newtonian Viscosity Model Associated With Pressure Dependent Hole Fraction, Attendee, İstanbul, Turkey, 2013

The Link of the Equilibrium and Transport Theories of High Molecular Weight Hydrocarbons, Attendee, İstanbul, Turkey, 2002

Citations

Total Citations (WOS):26

h-index (WOS):3

Awards

DİNÇ F., TÜBİTAK Uluslararası Bilimsel Yayınları Teşvik Program, TÜBİTAK, January 2015

DİNÇ F., Başarı Belgesi, Yomra Kaymakamlık, March 2012

ÇİL M., DİNÇ F., TEŞEKKÜR BELGESİ, MİLLİ EĞİTİM BAKANLIĞI, June 2010

DİNÇ F., Takdir Belgesi, Marmara Üniversitesi Fen Bilimleri Enstitüsü, October 2006

Non Academic Experience

Other Public Institution, Milli Eğitim Bakanlığı