

Prof. Dr. MUSTAFA VERŞAN KÖK

Kişisel Bilgiler

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Yoksis Araştırmacı ID: 1051

Biyografi

Dr. Mustafa Verşan Kök was born in 1960. He attended the *International School of Prague* in the Czech Republic for his primary education. Upon graduation from Ankara Atatürk High School in Turkey, he was admitted to Petroleum and Natural Gas Engineering program at METU where he received his B.Sc. degree in 1983 and his Ph.D. degree in 1990.

Dr. Kök worked for SHELL Petroleum company as a well-site operation engineer between 1986-1987. He joined CNRS-**INSA de LYON** (Institute National Des Sciences Appliquees, Laboratoire de Thermochimie Minerale) of France in 1993 and **ELF** Petroleum company research center in 1994. Dr. Kök worked as a Visiting Professor in the UK, Germany and Hungary for more than 1.5 years between 1995 and 2000.

Between 2001-2006, Dr. Kök served as the Adviser to the President of TÜBİTAK (The Scientific and Technological Research Council of Turkey). His position at TÜBİTAK included Turkey's membership related to the EU's 6th Framework Programme (FP6), which is listed under the priority of Sustainable Development, Global Change and Ecosystems (SUST) and Joint Research Center (JRC). Dr. Kök worked for **CNRS-ICARE** of France in Orleans as a Visiting Professor from December 2015 to May 2016.

Dr. Kök's more than thirty years of academic life is devoted to energy, drilling and production technologies as well as the enhancement of oil recovery techniques and fossil fuel characterization. Dr. Kök's academic works included **216** articles in SCI journals and **83** international conference papers. These papers received more than **5400** citations and his Web of Science (WoS) h-index is **45**. Dr. Kök has been involved in more than 35 national and international projects, through which Dr. Kök received **2** Science, **24** Research, Achievement and Promotional awards granted by several national and international institutions. These achievements and awards include *National Foundation for Development of Mining Science Award* in 2007 and *Prof. Dr. Mustafa Parlar Foundation Science Award* in 2008. In the same year, Dr. Kök was awarded *the International Leader Scientist and Engineer* by OIC. On February 28, 2019, Kazan Federal State University bestowed on Dr. Kök an **Honorary Doctorate** title.

Dr. Kök worked as the Chair of the Petroleum and Natural Gas Engineering Department at METU and was selected the Dean of the Faculty of Engineering in November 2015. Dr. Mustafa Verşan Kök was appointed the President of Middle East Technical University in July 2016 and continues to serve in this role.

Dr. Kök is the Principal Member of Turkish Academy of Science (TÜBA).

Eđitim Bilgileri

Doktora, Orta Dođu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Petrol Ve Dođal Gaz Mühendisliđi, Türkiye 1985 - 1990

Yabancı Diller

İngilizce, C1 İleri

Yaptığı Tezler

Doktora, DSC and TGA Investigation of Combustion Kinetics for Crude Oil Lignite Mixtures, Orta Dođu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Petrol Ve Dođal Gaz Mühendisliđi, 1990

Araştırma Alanları

Rezervuar, Sondaj, Üretim

Akademik Unvanlar / Görevler

Prof. Dr., Orta Dođu Teknik Üniversitesi, Mühendislik Fakültesi, Petrol ve Dođal Gaz Mühendisliđi Bölümü, 2001 - Devam Ediyor

Doç. Dr., Orta Dođu Teknik Üniversitesi, Mühendislik Fakültesi, Petrol ve Dođal Gaz Mühendisliđi Bölümü, 1995 - 2001

Yrd. Doç. Dr., Orta Dođu Teknik Üniversitesi, Mühendislik Fakültesi, Petrol ve Dođal Gaz Mühendisliđi Bölümü, 1991 - 1995

Öğretim Görevlisi, Orta Dođu Teknik Üniversitesi, Mühendislik Fakültesi, Petrol ve Dođal Gaz Mühendisliđi Bölümü, 1988 - 1991

Araştırma Görevlisi, Orta Dođu Teknik Üniversitesi, Mühendislik Fakültesi, Petrol ve Dođal Gaz Mühendisliđi Bölümü, 1983 - 1987

Akademik İdari Deneyim

Rektör, Orta Dođu Teknik Üniversitesi, Rektörlük, 2016 - Devam Ediyor

Dekan, Orta Dođu Teknik Üniversitesi, Mühendislik Fakültesi, 2015 - 2016

Bölüm Başkanı, Orta Dođu Teknik Üniversitesi, Mühendislik Fakültesi, Petrol ve Dođal Gaz Mühendisliđi Bölümü, 2015 - 2015

Bölüm Başkan Yardımcısı, Orta Dođu Teknik Üniversitesi, Mühendislik Fakültesi, Petrol ve Dođal Gaz Mühendisliđi Bölümü, 1996 - 2000

Verdiği Dersler

Lisans

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Yönetilen Tezler

- KÖK M. V., Jeotermal kuyularda yaşanan buru ve kaçak problemlerinin sondaj sıvısı yönünden incelenmesi, Doktora, A.Sönmez(Öğrenci), 2020
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- KÖK M. V., Thermal characterization and kinetics of crude oils by TGA and DSC methods, Yüksek Lisans, S.ASLI(Öğrenci), 2010
- KÖK M. V., Clean coal and carbon capture and storage technology roadmap of Turkey, Yüksek Lisans, A.VURAL(Öğrenci), 2010
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Jüri Üyelikleri

Doçentlik Sınavı, Doçentlik Sınavı, Orta Doğu Teknik Üniversitesi, Kasım, 2019

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Characterization and kinetics of diesel-biodiesel blends by non-isothermal thermal analysis techniques**
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- II. **Geochemical and thermal characterization and kinetics of oil shale samples from Çeltik, Türkiye**
KÖK M. V.
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- III. **Thermal and mass spectrometer analysis (TG - DTG - MS) of different oAPI gravity crude oils from new oil fields in Turkey**
Kök M. V., Varfolomeev M. A., Nurgaliev D. K.
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- IV. **Decomposition behavior and kinetics of Beydili and Ihsangazi oil shale deposits (Türkiye) by TG-**

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KÖK M. V., Varfolomeev M. A., Nurgaliev D. K.

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- VII. **The combustion performance and kinetics of Saray-Thrace region coal: The effects of particle size and heating rate**
KÖK M. V., YILDIRIM B.
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- VIII. **Nanoparticle-stabilized CO₂ foam to improve conventional CO₂ EOR process and recovery at Bati Raman oil field, Turkey**
Safran S. E., KÖK M. V.
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- IX. **Comprehensive approach to torque and lost circulation problems in geothermal wells in terms of drilling fluid**
Sonmez A., KÖK M. V., BAL B., Bagatir G., Gucuyener I. H.
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- X. **TGA and DSC investigation of different clay mineral effects on the combustion behavior and kinetics of crude oil from Kazan region, Russia**
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- XI. **Effect of inlet pressure on crude oil combustion -laboratory approach-**
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- XII. **Combustion mechanism and model free kinetics of different origin coal samples: Thermal analysis approach**
Jayaraman K., KÖK M. V., Gokalp I.
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- XIII. **Low-temperature oxidation reactions of crude oils using TGA-DSC techniques**
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- XIV. **Gasification kinetics of Thrace region coal by thermogravimetry analysis**
Kök M. V., Yildirim B.
JOURNAL OF PETROLEUM SCIENCE AND ENGINEERING, cilt.188, 2020 (SCI-Expanded)
- XV. **The effect of water on combustion behavior of crude oils**
KÖK M. V., Varfolomeev M. A., Nurgaliev D. K.
JOURNAL OF PETROLEUM SCIENCE AND ENGINEERING, cilt.186, 2020 (SCI-Expanded)
- XVI. **Effects of silica nanoparticles on the performance of water-based drilling fluids**
KÖK M. V., BAL B.
JOURNAL OF PETROLEUM SCIENCE AND ENGINEERING, cilt.180, ss.605-614, 2019 (SCI-Expanded)
- XVII. **Determination of SARA fractions of crude oils by NMR technique**
Kok M. V., Varfolomeev M. A., Nurgaliev D. K.
JOURNAL OF PETROLEUM SCIENCE AND ENGINEERING, cilt.179, ss.1-6, 2019 (SCI-Expanded)
- XVIII. **Thermal characterization of crude oils by pressurized differential scanning calorimeter (PDSC)**
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- XIX. **Gasification profiles of Thrace region coal under CO₂, N-2/CO₂, and N-2/DRY air environments**

- Kök M. V., Yildirim B.
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- XX. **Wax appearance temperature (WAT) determinations of different origin crude oils by differential scanning calorimetry**
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- XXI. **Isoconversional methods to determine the kinetics of crude oils - thermogravimetry approach**
 KÖK M. V., Varfolomeev M. A., Nurgaliev D. K.
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- XXII. **A new drilling performance benchmarking: ROP indexing methodology**
 Eren T., KÖK M. V.
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- XXIII. **Oxidation Behavior of Light Crude Oil and Its SARA Fractions Characterized by TG and DSC Techniques: Differences and Connections**
 Yuan C., Varfolomeev M. A., Emelianov D. A., Eskin A. A., Nagrimanov R. N., KÖK M. V., Afanasiev I. S., Fedorchenko G. D., Kopylova E. V.
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- XXIV. **Application of different EOR techniques for the energy and recovery of Ashal'cha oil field**
 KÖK M. V., Varfolomeev M. A., Nurgaliev D. K.
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- XXV. **Fluid migration and rheological properties of different origin G-class cements in oil well drilling applications**
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- XXVI. **Pyrolysis, combustion and gasification studies of different sized coal particles using TGA-MS**
 Jayaraman K., KÖK M. V., Gokalp I.
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 KÖK M. V., Varfolomeev M. A., Nurgaliev D. K.
 JOURNAL OF PETROLEUM SCIENCE AND ENGINEERING, cilt.154, ss.495-501, 2017 (SCI-Expanded)
- XXVIII. **Crude oil characterization using TGA-DTA, TGA-FTIR and TGA-MS techniques**
 KÖK M. V., Varfolomeev M. A., Nurgaliev D. K.
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- XXIX. **Thermogravimetric and mass spectrometric (TG-MS) analysis and kinetics of coal-biomass blends**
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- XXXV. **Chemical evaluation and kinetics of Siberian, north regions of Russia and Republic of Tatarstan crude oils**
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- XXXVI. **Chemical evaluation and kinetics of Siberian, north regions of Russia and Republic of Tatarstan crude oils**
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- XXXVII. **Thermal, kinetics, and oxidation mechanism studies of light crude oils in limestone and sandstone matrix using TG-DTG-DTA: Effect of heating rate and mesh size**
Varfolomeev M. A., Nurgaliev D. K., KÖK M. V.
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- XXXVIII. **Combustion characteristics and kinetics of diesel and canola oil samples**
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- XL. **Thermal, kinetics, and oxidation mechanism studies of light crude oils in limestone and sandstone matrix using TG-DTG-DTA: Effect of heating rate and mesh size**
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- XLI. **Contribution of thermal analysis and kinetics of Siberian and Tatarstan regions crude oils for in situ combustion process**
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Kök M. V.
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- XLVII. **Carbon Capture and Storage: Current Perspectives, Re-use Activities, and Future Prospects in**

Turkey

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Diğer Ülkelerdeki Kamu Kurumları Tarafından Desteklenmiş Proje, Ekim 2018
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Kök M. V., The 4th International Workshop on Thermal Methods for Enhanced Oil Recovery Workshop, Çalıştay Organizasyonu, Kolombiya, Aralık 2021

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Metrikler

Yayın: 274

Atf (WoS): 6365

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2019 EUA Annual Conference , Çalışma Grubu, Paris, Fransa, 2019

7 th International Symposium on Global Challenge for Today's Research Institutes: Health, Energy & Environment and Agriculture, Çalışma Grubu, Beijing, Çin, 2018

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Ödüller

Kök M. V., Honorary Doctorate, Azerbaijan State Oil And Industry University, Kasım 2022

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Kök M. V., METU Achievement Prize, Middle East Technical University, Ocak 2018

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Kök M. V., Bilim Ödülü, Ymgv, Mining Development Foundation Of Turkey, Eylül 2007

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