

## Prof. MUSTAFA VERŞAN KÖK

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AAH-1061-2020

ScopusID: 55667461800

Yoksis Researcher ID: 1051

### Biography

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).

## **Education Information**

Doctorate, Middle East Technical University, Graduate School of Natural and Applied Sciences, Petrol Ve Doğal Gaz Mühendisliği, Turkey 1985 - 1990

## **Foreign Languages**

English, C1 Advanced

## **Dissertations**

Doctorate, DSC and TGA Investigation of Combustion Kinetics for Crude Oil Lignite Mixtures, Middle East Technical University, Graduate School of Natural and Applied Sciences, Petrol Ve Doğal Gaz Mühendisliği, 1990

## **Research Areas**

Reservoir, drill, Production

## **Academic Titles / Tasks**

Professor, Middle East Technical University, Faculty of Engineering, Department of Petroleum and Natural Gas Engineering, 2001 - Continues

Associate Professor, Middle East Technical University, Faculty of Engineering, Department of Petroleum and Natural Gas Engineering, 1995 - 2001

Assistant Professor, Middle East Technical University, Faculty of Engineering, Department of Petroleum and Natural Gas Engineering, 1991 - 1995

Lecturer, Middle East Technical University, Faculty of Engineering, Department of Petroleum and Natural Gas Engineering, 1988 - 1991

Research Assistant, Middle East Technical University, Faculty of Engineering, Department of Petroleum and Natural Gas Engineering, 1983 - 1987

## **Academic and Administrative Experience**

Rector, Middle East Technical University, Presidency Office, 2016 - Continues

Dean, Middle East Technical University, Faculty of Engineering, 2015 - 2016

Head of Department, Middle East Technical University, Faculty of Engineering, Department of Petroleum and Natural Gas Engineering, 2015 - 2015

Deputy Head of Department, Middle East Technical University, Faculty of Engineering, Department of Petroleum and Natural Gas Engineering, 1996 - 2000

## **Courses**

DRILLING TECHNOLOGY II, Undergraduate, 2020 - 2021

DRILLING TECHNOLOGY I, Undergraduate, 2019 - 2020

## Advising Theses

- KÖK M. V., Comprehensive approach to torque and lost circulation problems in geothermal wells in terms of drilling fluid, Doctorate, A.Sönmez(Student), 2020
- Kök M. V., NANOPARTICLE-STABILIZED CO<sub>2</sub> FOAMS TO IMPROVE CONVENTIONAL CO<sub>2</sub> EOR PROCESS AT BATI RAMAN FIELD, Doctorate, S.ESRA(Student), 2019
- Kök M. V., A TECHNICAL APPROACH TO SAUDI ARABIA CRUDE OIL SUPPLY FORECAST AND POTENTIAL SUBSTITUTES, Postgraduate, V.ASLANOĞLU(Student), 2019
- KÖK M. V., Development of a screening model for the cyclic steam injection (CSI) process, Postgraduate, G.YALGIN(Student), 2018
- Kök M. V., Finite Element Analysis of Method Sinusoidal Buckling Behavior of Drill String in Vertical Wellbores and Comparison with Analytical Solutions , Postgraduate, M.CEBECİ(Student), 2018
- Kök M. V., Variable-rate, variable-pressure Production from a Fractured Gas Well with Large Viscosity and Compressibility variation: Applicability of Superposition Time, Doctorate, K.Gizem(Student), 2017
- KÖK M. V., Variable-rate, variable-pressure production from a fractured gas well with large viscosity and compressibility variation: Applicability of superposition time, Doctorate, K.GİZEM(Student), 2017
- KÖK M. V., Analysis of finite element method solution of sinusoidal buckling behaviour of drill string in vertical, directional, and horizontal wellbores and comparison with analytical solutions, Postgraduate, M.CEBECİ(Student), 2017
- KÖK M. V., Effects of nanoparticles on the performance of drilling fluids, Postgraduate, B.BAL(Student), 2017
- KÖK M. V., Thermal characterization and gasification kinetics of thrace-Saray region coal, Postgraduate, B.YILDIRIM(Student), 2015
- KÖK M. V., An experimental study of particle size and concentration effects of calcium carbonate on rheological and filtration properties of drill-in fluids, Postgraduate, A.ODABAŞI(Student), 2015
- Kök M. V., Determination of Combustion Efficiency of Solid and Biomass Fuels by Thermal Analysis Techniques , Doctorate, E.Özgür(Student), 2014
- KÖK M. V., Combustion performance of oil shale and biomass fuels and their blends, Doctorate, E.ÖZGÜR(Student), 2014
- KÖK M. V., Torque and drag applications for deviated and horizontal wells: A case study, Postgraduate, B.KAĞAN(Student), 2014
- KÖK M. V., An experimental study of silicate-polymer gel systems to seal shallow water flow and lost circulation zones in top hole drilling, Postgraduate, A.AY(Student), 2012
- KÖK M. V., Kök M., An Experimental study of silicate polymer gel systems to seal shallow water flow and lost circulation zones in top hole drilling, Postgraduate, A.Ay(Student), 2012
- KÖK M. V., Geomechanical wellbore stability assesment for Sayindere, Karaboğaz, Karababa formations in X field, Postgraduate, T.TUĞBA(Student), 2011
- KÖK M. V., Thermal characterization and kinetic analysis of sara fractions of crude oils by TGA and DSC methods, Postgraduate, K.GİZEM(Student), 2011
- KÖK M. V., Performance analysis of drilling fluid liquid lubricants, Postgraduate, A.SÖNMEZ(Student), 2011
- KÖK M. V., Thermal characterization and kinetic analysis of sara fractions of crude oils by TGA and DSC methods, Postgraduate, K.Gizem(Student), 2011
- KÖK M. V., Development of a software for determination of kinetic parameters in thermal analysis, Postgraduate, G.ERTUNÇ(Student), 2011
- KÖK M. V., A study to determine the cement slurry behaviour to prevent fluid migration, Postgraduate, G.Karakaya(Student), 2010
- KÖK M. V., Managed pressure drilling techniques, equipment and applications, Postgraduate, E.TERCAN(Student), 2010
- KÖK M. V., Thermal characterization and kinetics of diesel, methanol route biodiesel, canola oil and diesel-biodiesel blends at different blending rates by TGA and DSC, Postgraduate, E.HATİCE(Student), 2010
- KÖK M. V., Thermal characterization and kinetics of crude oils by TGA and DSC methods, Postgraduate, S.ASLI(Student), 2010
- KÖK M. V., Clean coal and carbon capture and storage technology roadmap of Turkey, Postgraduate, A.VURAL(Student), 2010
- KÖK M. V., Managed pressure drilling techniques, equipment & applications, Postgraduate, E.Tercan(Student), 2010

Kök M. V., Turkey as a Major Gas Transit Hub Country , Doctorate, T.Umucu(Student), 2008  
KÖK M. V., ALTUNIŞIK M., Turkey as a major gas transit hub country, Doctorate, T.YENER(Student), 2008  
KÖK M. V., Trajectory estimation in directional drilling using bottom hole assembly (BHA) analysis, Postgraduate, S.DOĞAY(Student), 2007  
Kök M. V., Experimental and Numerical Evaluation of Formation Damage Caused by Drilling Fluids , Doctorate, A.Gürkan(Student), 2006  
KÖK M. V., Experimental and numerical investigation of formation damage caused by drilling fluids, Doctorate, A.Gürkan(Student), 2006  
KÖK M. V., Experimental and numerical investigation of formation damage caused by water-based drilling fluids, Doctorate, A.GÜRKAN(Student), 2006  
KÖK M. V., AKIN S., Database development for diamond core drilling bit selection using field data, Postgraduate, L.GÜZELOĞLU(Student), 2005  
KÖK M. V., Database development for diamond core drilling bit selection using field, Postgraduate, L.Güzelöğlü(Student), 2005  
KÖK M. V., Stochastic approach in reserve estimation, Postgraduate, E.BUKET(Student), 2004  
AKIN S., KÖK M. V., Estimation of expected monetary values of selected Turkish oil fields using two different risk assessment methods, Postgraduate, T.EGEMEN(Student), 2003  
KÖK M. V., Effect of polymers on the rheological properties of KCl/polymer type drilling fluids, Postgraduate, T.Alikaya(Student), 2001  
KÖK M. V., Kök M., An Experimental investigation on the chemical stability of gervav formation and selection of the proper type of water base drilling fluids, Postgraduate, S.Erkeköl(Student), 2001  
KÖK M. V., Measurement of rock mechanics properties of Haymana limestone and Elazığ Termin sandstone reservoir rocks, Postgraduate, A.GÜRKAN(Student), 2001  
KÖK M. V., Effects of matrix and pressure on light crude oil combustion by thermal analysis techniques, Postgraduate, C.Keskin(Student), 2001  
KÖK M. V., An Experimental investigation on the chemical stability of gervav formation on selection of the proper type of waler base drilling fluids, Postgraduate, S.ERKEKOL(Student), 2001  
KÖK M. V., Kök M., Investigation of the applicability of the in-situ thermal recovery techniques to oil shales selected from Turkey, Postgraduate, B.Güneş(Student), 2001  
Kök M. V., Hiçyılmaz C., Combustion Characteristics of Raw and Cleaned Coals by Thermal Methods , Doctorate, K.EŞBER(Student), 2000  
KÖK M. V., Kök M., Rheological behaviour of bentonite suspensions, Postgraduate, T.Batmaz(Student), 1997

## **Jury Memberships**

Associate Professor Exam, Associate Professor Exam, Orta Doğu Teknik Üniversitesi, November, 2019

## **Published journal articles indexed by SCI, SSCI, and AHCI**

- I. **Characterization and kinetics of diesel-biodiesel blends by non-isothermal thermal analysis techniques**  
KÖK M. V., Güresci E. T., Varfolomeev M. A., Nurgaliev D. K.  
Petroleum Science and Technology, 2024 (SCI-Expanded)
- II. **Geochemical and thermal characterization and kinetics of oil shale samples from Çelték, Türkiye**  
KÖK M. V.  
OIL SHALE, vol.41, no.2, pp.103-114, 2024 (SCI-Expanded)
- 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.

Geoenergy Science and Engineering, vol.224, 2023 (SCI-Expanded)

- IV. **Decomposition behavior and kinetics of Beydili and Ihsangazi oil shale deposits (Turkiye) by TG-DTG-MS**  
KÖK M. V., Varfolomeev M. A., Nurgaliev D. K.  
JOURNAL OF PETROLEUM SCIENCE AND ENGINEERING, vol.221, 2023 (SCI-Expanded)
- V. **Thermal characteristics and model-free kinetics of oil shale samples**  
KÖK M. V., Bal B., Varfolomeev M. A., Nurgaliev D. K.  
Journal of Thermal Analysis and Calorimetry, vol.148, no.17, pp.8933-8943, 2023 (SCI-Expanded)
- VI. **Application of TGA-MS technique for oil shale characterization and kinetics**  
KÖK M. V., Varfolomeev M. A., Nurgaliev D. K., Kandasamy J.  
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, vol.147, no.19, pp.10767-10774, 2022 (SCI-Expanded)
- VII. **The combustion performance and kinetics of Saray-Thrace region coal: The effects of particle size and heating rate**  
KÖK M. V., YILDIRIM B.  
JOURNAL OF PETROLEUM SCIENCE AND ENGINEERING, vol.208, 2022 (SCI-Expanded)
- VIII. **Nanoparticle-stabilized CO<sub>2</sub> foam to improve conventional CO<sub>2</sub> EOR process and recovery at Bati Raman oil field, Turkey**  
Safran S. E., KÖK M. V.  
JOURNAL OF PETROLEUM SCIENCE AND ENGINEERING, vol.208, 2022 (SCI-Expanded)
- 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.  
Geothermics, vol.95, 2021 (SCI-Expanded)
- X. **TGA and DSC investigation of different clay mineral effects on the combustion behavior and kinetics of crude oil from Kazan region, Russia**  
KÖK M. V., Varfolomeev M. A., Nurgaliev D. K.  
JOURNAL OF PETROLEUM SCIENCE AND ENGINEERING, vol.200, 2021 (SCI-Expanded)
- XI. **Effect of inlet pressure on crude oil combustion -laboratory approach-**  
KÖK M. V., Varfolomeev M. A., Nurgaliev D. K.  
JOURNAL OF PETROLEUM SCIENCE AND ENGINEERING, vol.198, 2021 (SCI-Expanded)
- XII. **Combustion mechanism and model free kinetics of different origin coal samples: Thermal analysis approach**  
Jayaraman K., KÖK M. V., Gokalp I.  
ENERGY, vol.204, 2020 (SCI-Expanded)
- XIII. **Low-temperature oxidation reactions of crude oils using TGA-DSC techniques**  
KÖK M. V., Varfolomeev M. A., Nurgaliev D. K.  
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, vol.141, no.2, pp.775-781, 2020 (SCI-Expanded)
- XIV. **Gasification kinetics of Thrace region coal by thermogravimetry analysis**  
Kök M. V., Yildirim B.  
JOURNAL OF PETROLEUM SCIENCE AND ENGINEERING, vol.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, vol.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, vol.180, pp.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, vol.179, pp.1-6, 2019 (SCI-Expanded)
- XVIII. **Thermal characterization of crude oils by pressurized differential scanning calorimeter (PDSC)**  
Kok M. V., Varfolomeev M. A., Nurgaliev D. K.

- JOURNAL OF PETROLEUM SCIENCE AND ENGINEERING, vol.177, pp.540-543, 2019 (SCI-Expanded)
- XIX. **Gasification profiles of Thrace region coal under CO<sub>2</sub>, N-2/CO<sub>2</sub>, and N-2/DRY air environments**  
Kök M. V., Yildirim B.  
JOURNAL OF PETROLEUM SCIENCE AND ENGINEERING, vol.175, pp.237-245, 2019 (SCI-Expanded)
- XX. **Wax appearance temperature (WAT) determinations of different origin crude oils by differential scanning calorimetry**  
KÖK M. V., Varfolomeev M. A., Nurgaliev D. K.  
JOURNAL OF PETROLEUM SCIENCE AND ENGINEERING, vol.168, pp.542-545, 2018 (SCI-Expanded)
- XXI. **Isoconversional methods to determine the kinetics of crude oils - thermogravimetry approach**  
KÖK M. V., Varfolomeev M. A., Nurgaliev D. K.  
JOURNAL OF PETROLEUM SCIENCE AND ENGINEERING, vol.167, pp.480-485, 2018 (SCI-Expanded)
- XXII. **A new drilling performance benchmarking: ROP indexing methodology**  
Eren T., KÖK M. V.  
JOURNAL OF PETROLEUM SCIENCE AND ENGINEERING, vol.163, pp.387-398, 2018 (SCI-Expanded)
- 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.  
ENERGY & FUELS, vol.32, no.1, pp.801-808, 2018 (SCI-Expanded)
- 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.  
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.40, no.6, pp.645-653, 2018 (SCI-Expanded)
- XXV. **Fluid migration and rheological properties of different origin G-class cements in oil well drilling applications**  
KÖK M. V., Karakaya G.  
INTERNATIONAL JOURNAL OF OIL GAS AND COAL TECHNOLOGY, vol.19, no.4, pp.449-457, 2018 (SCI-Expanded)
- XXVI. **Pyrolysis, combustion and gasification studies of different sized coal particles using TGA-MS**  
Jayaraman K., KÖK M. V., Gokalp I.  
APPLIED THERMAL ENGINEERING, vol.125, pp.1446-1455, 2017 (SCI-Expanded)
- XXVII. **Thermal characterization of crude oils in the presence of limestone matrix by TGA-DTG-FTIR**  
KÖK M. V., Varfolomeev M. A., Nurgaliev D. K.  
JOURNAL OF PETROLEUM SCIENCE AND ENGINEERING, vol.154, pp.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.  
JOURNAL OF PETROLEUM SCIENCE AND ENGINEERING, vol.154, pp.537-542, 2017 (SCI-Expanded)
- XXIX. **Thermogravimetric and mass spectrometric (TG-MS) analysis and kinetics of coal-biomass blends**  
Jayaraman K., KÖK M. V., Gokalp I.  
RENEWABLE ENERGY, vol.101, pp.293-300, 2017 (SCI-Expanded)
- XXX. **Combustion properties and kinetics of different biomass samples using TG-MS technique**  
Jayaraman K., KÖK M. V., Gokalp I.  
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, vol.127, no.2, pp.1361-1370, 2017 (SCI-Expanded)
- XXXI. **Characterization of lignocellulose biomass and model compounds by thermogravimetry**  
KÖK M. V., Ozgur E.  
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.39, no.2, pp.134-139, 2017 (SCI-Expanded)
- XXXII. **Torque and drag field applications in horizontal wells**  
EREN T., Caglayan B. K., KÖK M. V.  
INTERNATIONAL JOURNAL OF OIL GAS AND COAL TECHNOLOGY, vol.16, no.3, pp.236-249, 2017 (SCI-Expanded)
- XXXIII. **Thermal decomposition of Tatarstan Ashal'cha heavy crude oil and its SARA fractions**  
Varfolomeev M. A., Galukhin A., Nurgaliev D. K., KÖK M. V.

- FUEL, vol.186, pp.122-127, 2016 (SCI-Expanded)
- XXXIV. **Combustion performance and kinetics of oil shales**  
KÖK M. V., Ozgur E.  
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.38, no.8, pp.1039-1047, 2016 (SCI-Expanded)
- XXXV. **Chemical evaluation and kinetics of Siberian, north regions of Russia and Republic of Tatarstan crude oils**  
Varfolomeev A., Nagrimanov R., Galukhin A., Vakhin B., Solomonov B., Nurgaliev D., KÖK M. V.  
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.38, no.8, pp.1031-1038, 2016 (SCI-Expanded)
- XXXVI. **Chemical evaluation and kinetics of Siberian, north regions of Russia and Republic of Tatarstan crude oils**  
Varfolomeev M. A., Nagrimanov R. N., Samatov A. A., Rakipov I. T., Nikanshin A. D., Vakhin A. V., Nurgaliev D. K., KÖK M. V.  
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.38, no.8, pp.1031-1038, 2016 (SCI-Expanded)
- 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.  
PETROLEUM SCIENCE AND TECHNOLOGY, vol.34, no.19, pp.1647-1653, 2016 (SCI-Expanded)
- XXXVIII. **Combustion characteristics and kinetics of diesel and canola oil samples**  
KÖK M. V., Topa E.  
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.38, no.7, pp.967-974, 2016 (SCI-Expanded)
- XXXIX. **Calorimetric study approach for crude oil combustion in the presence of clay as catalyst**  
Varfolomeev M. A., Nurgaliev D. K., KÖK M. V.  
PETROLEUM SCIENCE AND TECHNOLOGY, vol.34, no.19, pp.1624-1630, 2016 (SCI-Expanded)
- 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**  
Varfolomeev M., Nurgaliev D., KÖK M. V.  
PETROLEUM SCIENCE AND TECHNOLOGY, vol.34, no.19, pp.1647-1653, 2016 (SCI-Expanded)
- XLI. **Contribution of thermal analysis and kinetics of Siberian and Tatarstan regions crude oils for in situ combustion process**  
Varfolomeev M. A., Nagrimanov R. N., Galukhin A. V., Vakhin A. V., Solomonov B. N., Nurgaliev D. K., KÖK M. V.  
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, vol.122, no.3, pp.1375-1384, 2015 (SCI-Expanded)
- XLII. **Thermal characterization and model-free kinetics of biodiesel sample**  
KÖK M. V., Topa E.  
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, vol.122, no.2, pp.955-961, 2015 (SCI-Expanded)
- XLIII. **Thermal Characterization and Model Free Kinetic Application on Tar Sand Sample**  
Kök M. V.  
Petroleum Science And Technology, vol.33, no.6, pp.741-749, 2015 (SCI-Expanded)
- XLIV. **Occurrence of organic matter-rich deposits (Middle Jurassic to Lower Cretaceous) from Qalikh locality, Zagros Basin, South-West of Iran: A possible oil shale resource**  
Rasouli A., Shekarifard A., Farahani F. J., KÖK M. V., Daryabandeh M., Rashidi M.  
INTERNATIONAL JOURNAL OF COAL GEOLOGY, vol.143, pp.34-42, 2015 (SCI-Expanded)
- XLV. **Determination of kinetic parameters of different origin coals using software**  
Ertunc G., KÖK M. V.  
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, vol.119, no.2, pp.1407-1413, 2015 (SCI-Expanded)
- XLVI. **Renewable Energy Sources: Current Perspectives and Future Prospects in Turkey**  
KÖK M. V.  
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.37, no.1, pp.1-10, 2015

(SCI-Expanded)

- XLVII. **Carbon Capture and Storage: Current Perspectives, Re-use Activities, and Future Prospects in Turkey**  
KÖK M. V.  
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.37, no.18, pp.1979-1987, 2015 (SCI-Expanded)
- XLVIII. **Thermal Characterization and Model Free Kinetic Application on a Tar Sand Sample**  
Kok M. V.  
PETROLEUM SCIENCE AND TECHNOLOGY, vol.33, no.6, pp.741-749, 2015 (SCI-Expanded)
- XLIX. **Characterization and Kinetics of Siberian and Tatarstan Regions Crude Oils Using Differential Scanning Calorimetry**  
Varfolomeev M. A., Rakipov I. T., Isakov D. R., Nurgaliev D. K., KÖK M. V.  
PETROLEUM SCIENCE AND TECHNOLOGY, vol.33, no.8, pp.865-871, 2015 (SCI-Expanded)
- L. **Shale Gas: Current Perspectives and Future Prospects in Turkey and the World**  
KÖK M. V., Meray S.  
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.36, no.22, pp.2492-2501, 2014 (SCI-Expanded)
- LI. **An experimental study of silicate-polymer gel systems to seal shallow water flow and lost circulation zones in top hole drilling**  
Ay A., Gucuyener I. H., KÖK M. V.  
JOURNAL OF PETROLEUM SCIENCE AND ENGINEERING, vol.122, pp.690-699, 2014 (SCI-Expanded)
- LII. **The Thermal Characterization of Crude Oils in a Limestone Matrix of Different Particle Size**  
KÖK M. V.  
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.36, no.9, pp.923-928, 2014 (SCI-Expanded)
- LIII. **Thermal characterization, combustion and kinetics of different origin crude oils**  
Ash Sati G., KÖK M. V.  
FUEL, vol.123, pp.59-65, 2014 (SCI-Expanded)
- LIV. **Thermal characterization, combustion and kinetics of different origin crude oils**  
Gundogar A. S., KÖK M. V.  
FUEL, vol.123, pp.59-65, 2014 (SCI-Expanded)
- LV. **Geological and thermal characterization of EskiAYehir region oil shales**  
KÖK M. V., Senguler I.  
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, vol.116, no.1, pp.367-372, 2014 (SCI-Expanded)
- LVI. **Geological and thermal characterization of EskiAYehir region oil shales**  
KÖK M. V., Senguler I.  
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## Activities in Scientific Journals

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Journal Of Petroleum Science And Engineering, Committee Member, 2018 - Continues

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## Memberships / Tasks in Scientific Organizations

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## Scientific Refereeing

INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, SCI Journal, November 2019

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E-JOURNAL OF CHEMISTRY, SCI Journal, May 2019

APPLIED ENERGY, National Scientific Refreed Journal, April 2019

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ENERGY & FUELS, SCI Journal, February 2019

ENERGY & FUELS, National Scientific Refreed Journal, January 2019

JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, SCI Journal, January 2019

Energy Sources Part A-Recovery Utilization And Environmental Effects, SCI Journal, December 2018

Journal Of Petroleum Science And Engineering, SCI Journal, November 2018

ENERGY & FUELS, SCI Journal, November 2018

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ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, SCI Journal, October 2018

Project Supported by Public Organizations in Other Countries, National Center for Science and Technology Evaluation  
Ministry of Education and Science, Kazakhstan, October 2018

Project Supported by Public Organizations in Other Countries, National Center for Science and Technology Evaluation  
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Industrial Organizations of Other Countries Supported Project, National Center for Science and Technology Evaluation  
Ministry of Education and Science, Kazakhstan, October 2018

Project Supported by Public Organizations in Other Countries, National Center for Science and Technology Evaluation  
Ministry of Education and Scienc, Kazakhstan, October 2018

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Ministry of Education and Science – , Kazakhstan, October 2018

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Ministry of Education and Science, Kazakhstan, October 2018

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Ministry of Education and Science, Kazakhstan, October 2018

Industrial Organizations of Other Countries Supported Project, National Center for Science and Technology Evaluation  
Ministry of Education and Science, Kazakhstan, October 2018

Project Supported by Public Organizations in Other Countries, National Center for Science and Technology Evaluation  
Ministry of Education and Science, Kazakhstan, October 2018

ENERGY & FUELS, SCI Journal, September 2018

JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, SCI Journal, August 2018

ENERGY & FUELS, SCI Journal, June 2018

PETROLEUM SCIENCE AND TECHNOLOGY, Journal Indexed in SCI-E, June 2018

ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, SCI Journal, May 2018

JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, SCI Journal, April 2018

INTERNATIONAL JOURNAL OF CHEMICAL REACTOR ENGINEERING, SCI Journal, April 2018

JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, SCI Journal, March 2018

JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY, SCI Journal, March 2018

ENERGY & FUELS, SCI Journal, February 2018

JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, SCI Journal, January 2018

## **Tasks In Event Organizations**



Kök M. V., The 3 rd International Workshop on Thermal Methods for Enhanced Oil Recovery, Workshop Organization, Changde, China, Ekim 2018

## Metrics

Publication: 269

Citation (WoS): 6045

Citation (Scopus): 6686

H-Index (WoS): 49

H-Index (Scopus): 51

## Congress and Symposium Activities

5th Central and Eastern European Conference on Thermal Analysis and Calorimetry, Working Group, Rome, Italy, 2019

2019 EUA Annual Conference , Working Group, Paris, France, 2019

The 3 rd International Workshop on Thermal Methods for Enhanced Oil Recovery, Working Group, Chengdu, China, 2018

7 th International Symposium on Global Challenge for Today's Research Institutes: Health, Energy & Environment and Agriculture, Working Group, Beijing, China, 2018

3rd International Conference on Applied Mineralogy and Advanced Materials, Working Group, Bari, Italy, 2018

ICTAC Committee , Invited Speaker, Sao-Paulo, Brazil, 2008

Carbon Capture and Storage - Response to Climate Change Conference, Invited Speaker, Zagreb, Croatia, 2007

Role of Fossil Fuel Power Generation Technologies in the Future European Energy System Conference, Invited Speaker, Rotterdam, Netherlands, 2006

Recent Trends in Oil Shale Conference, Invited Speaker, Amman, Jordan, 2006

## Invited Talks

The 4th International Workshop on Thermal Methods for Enhanced Oil Recovery Workshop, Conference, Other Affiliations, Colombia, December 2021

The 3 rd International Workshop on Thermal Methods for Enhanced Oil Recovery, Conference, Other Affiliations, China, October 2018

The 2 nd st International Workshop on Thermal Methods for Enhanced Oil Recovery , Conference, Kazan Devlet Üniversitesi, Russia, July 2017

The 1 st International Workshop on Thermal Methods for Enhanced Oil Recovery , Conference, Russia, July 2016

## Awards

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

Kök M. V., Honorary Doctorate, Kazan Federal University, February 2019

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

Kök M. V., Bilim Ödülü, Middle East Technical Univ., Foundation Of Prof. Dr. Mustafa N. Parlar, October 2008

Kök M. V., Leading Scientist and Engineers of OIC Member States , Oic - Organization Of Islamic Cooperation, September 2008

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

Kök M. V., Yılın Tezi Ödülü, Metu, Middle East Technical Univ.Foundation Of Prof. Dr. Mustafa Parlar , September 2000

Kök M. V., Teşvik ödülü, Tübitak, September 1999

Kök M. V., Araştırma Teşvik Ödülü, Metu, Middle East Technical Univ., Foundation Of Prof. Dr. Tarık Somer, September

1999

Kök M. V., Araştırma Teşvik Ödülü, Middle East Technical Univ., Foundation Of Prof. Dr. Mustafa Parlar, September 1997