

Prof. MUSTAFA VERŞAN KÖK

Personal Information

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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 CO₂ FOAMS TO IMPROVE CONVENTIONAL CO₂ 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.Güzeloğlu(Student), 2005

KÖK M. V. , Stochastic approach in reserve estimation, Postgraduate, E.BUKET(Student), 2004

KÖK M. V. , AKIN S., 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 germav 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 germav 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. , Hiçylmaz 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

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

- I. **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 (Journal Indexed in SCI)
- II. **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 (Journal Indexed in SCI)
- III. **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 (Journal Indexed in SCI)
- IV. **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 (Journal Indexed in SCI)
- V. **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 (Journal Indexed in SCI)
- VI. **Gasification kinetics of Thrace region coal by thermogravimetry analysis**
KÖK M. V. , Yildirim B.
JOURNAL OF PETROLEUM SCIENCE AND ENGINEERING, vol.188, 2020 (Journal Indexed in SCI)
- VII. **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 (Journal Indexed in SCI)
- VIII. **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 (Journal Indexed in SCI)
- IX. **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 (Journal Indexed in SCI)
- X. **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 (Journal Indexed in SCI)
- XI. **Gasification profiles of Thrace region coal under CO₂, N₂/CO₂, and N₂/DRY air environments**
KÖK M. V. , Yildirim B.
JOURNAL OF PETROLEUM SCIENCE AND ENGINEERING, vol.175, pp.237-245, 2019 (Journal Indexed in SCI)
- XII. **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 (Journal Indexed in SCI)
- XIII. **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 (Journal Indexed in SCI)
- XIV. **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 (Journal Indexed in SCI)
- XV. **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 (Journal Indexed in SCI)
- XVI. **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 (Journal Indexed in SCI)
- XVII. **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 (Journal Indexed in SCI)
- XVIII. **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 (Journal Indexed in SCI)
- XIX. **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 (Journal Indexed in SCI)
- XX. **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 (Journal Indexed in SCI)
- XXI. **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 (Journal Indexed in SCI)
- XXII. **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 (Journal Indexed in SCI)
- XXIII. **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 (Journal Indexed in SCI)
- XXIV. **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 (Journal Indexed in SCI)
- XXV. **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 (Journal Indexed in SCI)
- XXVI. **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 (Journal Indexed in SCI)
- XXVII. **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 (Journal Indexed in SCI)
- XXVIII. **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 (Journal Indexed in SCI)

- XXIX. **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 (Journal Indexed in SCI)
- XXX. **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 (Journal Indexed in SCI)
- XXXI. **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 (Journal Indexed in SCI)
- XXXII. **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 (Journal Indexed in SCI)
- XXXIII. **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 (Journal Indexed in SCI Expanded)
- XXXIV. **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 (Journal Indexed in SCI)
- XXXV. **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 (Journal Indexed in SCI)
- XXXVI. **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 (Journal Indexed in SCI)
- XXXVII. **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 (Journal Indexed in SCI)
- XXXVIII. **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 (Journal Indexed in SCI)
- XXXIX. **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 (Journal Indexed in SCI)
- XL. **Shale Gas: Current Perspectives and Future Prospects in Turkey and the World**
KÖK M. V. , Merey S.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.36, no.22, pp.2492-2501, 2014 (Journal Indexed in SCI)
- XLI. **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 (Journal Indexed in SCI)

- XLII. **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 (Journal Indexed in SCI)
- XLIII. **Thermal characterization, combustion and kinetics of different origin crude oils**
Gundogar A. S. , KÖK M. V.
FUEL, vol.123, pp.59-65, 2014 (Journal Indexed in SCI)
- XLIV. **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 (Journal Indexed in SCI)
- XLV. **Thermal characterization of different origin class-G cements**
KÖK M. V.
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, vol.115, no.2, pp.1533-1539, 2014 (Journal Indexed in SCI)
- XLVI. **The Chemistry, Kinetics, and Potential Utilization of Different Origins of Bentonite Samples**
KÖK M. V.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.36, no.2, pp.173-183,
2014 (Journal Indexed in SCI)
- XLVII. **The Effect of Pour Point Depressant on the Flow Behavior of Crude Oils**
KÖK M. V.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.36, no.2, pp.167-172,
2014 (Journal Indexed in SCI)
- XLVIII. **A Geomechanical Wellbore Stability Assessment for Different Formations in Petroleum Fields**
KÖK M. V. , Uyar T. T.
PETROLEUM SCIENCE AND TECHNOLOGY, vol.32, no.19, pp.2355-2364, 2014 (Journal Indexed in SCI)
- XLIX. **DSC study on combustion and pyrolysis behaviors of Turkish crude oils**
KÖK M. V. , Gundogar A. S.
FUEL PROCESSING TECHNOLOGY, vol.116, pp.110-115, 2013 (Journal Indexed in SCI)
- L. **Thermal characteristics and kinetics of crude oils and SARA fractions**
KÖK M. V. , Gul K. G.
THERMOCHIMICA ACTA, vol.569, pp.66-70, 2013 (Journal Indexed in SCI)
- LI. **Combustion characteristics and kinetic analysis of Turkish crude oils and their SARA fractions by DSC**
KÖK M. V. , Gul K. G.
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, vol.114, no.1, pp.269-275, 2013 (Journal Indexed in SCI)
- LII. **Performance analysis of drilling fluid liquid lubricants**
Sonmez A, KÖK M. V. , Ozel R.
JOURNAL OF PETROLEUM SCIENCE AND ENGINEERING, vol.108, pp.64-73, 2013 (Journal Indexed in SCI)
- LIII. **Thermal analysis and kinetics of biomass samples**
KÖK M. V. , Ozgur E.
FUEL PROCESSING TECHNOLOGY, vol.106, pp.739-743, 2013 (Journal Indexed in SCI)
- LIV. **Thermal Characterization of Sepiolite Samples**
KÖK M. V.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.35, no.2, pp.173-183,
2013 (Journal Indexed in SCI)
- LV. **The Characterization of a Tar Sand Sample Using Differential Scanning Calorimeters**
Senguler I, KÖK M. V.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.35, no.1, pp.77-82, 2013
(Journal Indexed in SCI)
- LVI. **Combustion charactersitics and kinetic analysis of Turkish crude oils and their SARA fractions by DSC**

- KÖK M. V. , Gül G.
Journal of Thermal Analysis and Calorimetry, vol.114, pp.269-275, 2013 (Journal Indexed in SCI Expanded)
- LVII. **Clay concentration and heating rate effect on crude oil combustion by thermogravimetry**
Kok M. V.
FUEL PROCESSING TECHNOLOGY, vol.96, pp.134-139, 2012 (Journal Indexed in SCI)
- LVIII. **Thermal behavior and kinetics of crude oils at low heating rates by differential scanning calorimeter**
Kok M. V.
FUEL PROCESSING TECHNOLOGY, vol.96, pp.123-127, 2012 (Journal Indexed in SCI)
- LIX. **Managed Pressure Drilling Techniques, Equipments, and Applications**
KÖK M. V. , Tercan E.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.34, pp.591-601, 2012 (Journal Indexed in SCI)
- LX. **The Clean Coal and Carbon Capture and Storage Technology of Turkey**
KÖK M. V. , Vural A.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.34, pp.531-539, 2012 (Journal Indexed in SCI)
- LXI. **The Evaluation of an Immiscible-CO₂ Enhanced Oil Recovery Technique for Heavy Crude Oil Reservoirs**
KÖK M. V. , Ors O.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.34, pp.673-681, 2012 (Journal Indexed in SCI)
- LXII. **Progress and Recent Utilization Trends in Petroleum Recovery: Steam Injection and In-situ Combustion**
KÖK M. V.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.34, no.24, pp.2253-2259, 2012 (Journal Indexed in SCI)
- LXIII. **THERMAL ANALYSIS OF CO-FIRING OF OIL SHALE AND BIOMASS FUELS**
Ozgur E., Miller S. F. , Miller B. G. , Koek M. V.
OIL SHALE, vol.29, pp.190-201, 2012 (Journal Indexed in SCI)
- LXIV. **Simultaneous thermogravimetry-calorimetry study on the combustion of coal samples: Effect of heating rate**
KÖK M. V.
ENERGY CONVERSION AND MANAGEMENT, vol.53, no.1, pp.40-44, 2012 (Journal Indexed in SCI)
- LXV. **Thermo-oxidative characterization and kinetics of tar sands**
KÖK M. V.
ENERGY, vol.36, no.8, pp.5338-5342, 2011 (Journal Indexed in SCI)
- LXVI. **Thermo-oxidative reactions of crude oils**
KÖK M. V.
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, vol.105, no.2, pp.411-414, 2011 (Journal Indexed in SCI)
- LXVII. **Characterization of medium and heavy crude oils using thermal analysis techniques**
Kok M. V.
FUEL PROCESSING TECHNOLOGY, vol.92, no.5, pp.1026-1031, 2011 (Journal Indexed in SCI)
- LXVIII. **Economical Evaluation of an Oil Field Reservoir**
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II. **Thermal Analysis and Rheology**

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Refereed Congress / Symposium Publications in Proceedings

I. **Characteriation and Kinetics of Coal Combustion:**

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5th Central and Eastern European Conference on Thermal Analysis and Calorimetry, Rome, Italy, 27 - 30 August 2019, pp.34-35

II. **Building a Value-creating Ecosystem on Campus: the METU Case**

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2019 EUA Annual Conference, 9 - 12 April 2019

III. **Analysis of Sinusoidal Buckling of Drill String in Vertical, Directional and Horizontal Wells Using Finite Element Method**

Cebeci M., Gücüyener H., KÖK M. V.

SPE-MEOS, Middle East Oil Gas Show and Conference, 18 - 21 March 2019

IV. **Low Temperature Oxidation of Heavy Oils**

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V. **Global Air Quality Issues – Turkey Approach**

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- VI. **Use of Calcium Carbonate as Loss Circulation Material in High Pressure High Temperature Drilling Fluids**
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- VII. **Design and Development of Data-Driven Screening Tools for Enhanced Oil Recovery Processes**
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- VIII. **Rheological Properties and Model Description of Different Origin Clays Used in Drilling Fluids**
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- IX. **Catalytic Effect of Clay in Crude Oil Combustion**
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- X. **Wax Appearance Temperature (WAT) Determinations of Different Origin Crude Oils by Differential Scanning Calorimetry**
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- XII. **Crude Oil Characterization Using Different Thermal Analysis Techniques**
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- XIII. **Thermal analysis and Combustion Calorimetry of Wood Lignin and its Pyrolysis Products**
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- XV. **Comparative Combustion Study of Raw and Clean Lignite Samples by TG DTG 2015 25 28 August**
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- XVI. **Kinetic Study of Light Crude Oil Combustion and Pyrolysis Using TG DSC MS Technique**
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- XVIII. **Oxidation of heavy oil and their SARA fractions: Its role in modeling in-situ combustion**
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Proceedings of the 2000 SPE Annual Technical Conference and Exhibition on Drilling and Completion, Dallas, TX, United States Of America, 1 - 04 October 2000, pp.757-768

Supported Projects

KÖK M. V. , Project Supported by Higher Education Institutions, Saray Bölgesi Kömürlerinin Isısal Analizleri, 2014 - 2014

Activities in Scientific Journals

Oil Shale, Committee Member, 2018 - Continues

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

Petroleum Science And Technology, Committee Member, 2018 - Continues

JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, Committee Member, 2010 - Continues

Memberships / Tasks in Scientific Organizations

TUBA, Principal Member, 2018 - Continues

Scientific Refereeing

INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, SCI Journal, November 2019

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

INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, National Scientific Refreed Journal, October 2019

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

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

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Edit 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

Citations

Total Citations (WOS):4747

h-index (WOS):43

Invited Talks

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, 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. , Yılıın 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