

Berna Hascakir

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BIOGRAPHY



Berna Hascakir, Ph.D., is a Full Professor of Petroleum Engineering at Texas A&M University and an internationally recognized expert in thermal enhanced oil recovery (EOR), heavy oil recovery, in-situ combustion, hydrogen generation from hydrocarbons, electromagnetic and microwave-assisted energy processes, carbon management, flow assurance, and oilfield water management. Her research integrates fundamental reaction-driven transport phenomena with laboratory experimentation and field-scale engineering, with a strong emphasis on translating scientific discoveries into technologies with practical industrial applications.

Prior to joining Texas A&M University, Professor Hascakir worked as a reservoir engineer with Schlumberger, specializing in heavy oil reservoirs and thermal recovery technologies. Since entering academia, she has developed a multidisciplinary research program spanning steam-based recovery processes, in-situ combustion, electromagnetic heating, reservoir geochemistry, hydrogen production, carbon capture and utilization, and produced-water management. Her research combines reservoir engineering, reaction kinetics, experimental science, and process optimization to address challenges across conventional petroleum production and emerging subsurface energy technologies.

Professor Hascakir has secured more than \$4 million in competitive external research funding from federal agencies and the energy industry. She currently leads a multi-institutional U.S. Department of Energy project on microwave-assisted hydrogen generation from hydrocarbons and maintains long-term research collaborations with major energy companies on advanced thermal recovery and subsurface energy technologies.

She has authored approximately 55 peer-reviewed journal articles and more than 130 refereed conference papers, with over 3,800 citations. She also holds multiple U.S. patents related to flow assurance and asphaltene precipitation, including technologies successfully deployed in more than 50 producing wells in the Gulf of Mexico.

Professor Hascakir is an active educator, mentor, editor, and professional leader. She has supervised postdoctoral researchers and graduated numerous Ph.D., M.S., and M.Eng. students while teaching approximately 2,000 students during her academic career. She serves as **Editor-in-Chief of *Petroleum Science and Technology*** and as an **Editor for *Fuel***. She is a **Distinguished Member of the Society of Petroleum Engineers (SPE)** and has received both the **International SPE Innovative Teaching Award** and the **Regional SPE Health, Safety, and Environment Award**. Her combination of industrial experience, experimental research, academic leadership, technology development, and professional service has established her as a recognized authority in thermal recovery and emerging subsurface energy technologies.

DEGREES

Postdoc, 2008-2010. Energy Resources Engineering, Stanford University, Stanford, California, USA.

Ph.D., 2003-2008. Petroleum and Natural Gas Engineering, Middle East Technical University, Ankara, Turkey.

Visiting PhD Student, 2007-2008. Petroleum Engineering, University of Alberta, Edmonton, Alberta, Canada.

M.Sc., 2001-2003. Environmental Technologies, Dokuz Eylul University, Izmir, Turkey

B.Sc., 1996-2001. Environmental Engineering, Dokuz Eylul University, Izmir, Turkey

WORK EXPERIENCE

A. Academic Appointments

1. **Full Professor (Tenured), Sep. 2024-Present,** Petroleum Engineering Department, Texas A&M University, College Station, TX.
2. **Associate Professor (Tenured), Sep. 2018-Aug. 2024,** Petroleum Engineering Department, Texas A&M University, College Station, TX.
3. **Assistant Professor (Tenure-Track), Apr. 2012-Aug. 2018,** Petroleum Engineering Department, Texas A&M University, College Station, TX.
4. **Research and Teaching Assistant, 2008,** Graduate School of Natural and Applied Sciences, Inonu University, Malatya, Turkey.
5. **Research and Teaching Assistant, 2004-2008,** Petroleum and Natural Gas Engineering Department, Middle East Technical University, Ankara, Turkey.
6. **Project Assistant, 2004-2008.** Supported by BAP (Scientific Research Projects) and TUBİTAK (The Scientific & Technological Research Council of Turkey), METU, Ankara, Turkey.

B. Industry Experience

7. **Chief Scientist, 2026-Present,** Mantle Energy, United States of America.
8. **Senior Heavy Oil Engineer, 2011-2012,** Schlumberger, Bogota Colombia.
9. **Consultant, 2011,** Pacific Rubiales Energy, Bogota, Colombia.
10. **Reservoir Simulation Engineer, 2011,** Schlumberger AbTc, Abingdon, UK.
11. **Reservoir Simulation Engineer, 2010,** Schlumberger PTT, Puerto La Cruz, Venezuela.
12. **Environmental Engineer, 2003.** Harmandali Waste Disposal Site, Izmir, Turkey.
13. **Intern, Summer of 2002,** Kaplamin Corrugated Packaging Industry, Izmir, Turkey.

14. **Project Assistant, 2001-2003**, Center for Environmental Research and Development, Dokuz Eylul University (ÇEVMER), Izmir, Turkey.
15. **Computer Instructor, 2001-2003**, Altin Computer Course, Izmir, TURKEY and Mimar Kemalettin Elementary School, Izmir, Turkey.
16. **Intern, Summer of 2000**, Ministry of Environment, Antalya, Turkey.
17. **Intern, Summer of 1998**, Field practice on Topography. Izmir, Turkey.

C. Administrative Appointments

18. **Graduate Mentoring Academy Fellow, Sep. 2024-Present**, Graduate Mentoring Academy, Texas A&M University, College Station, TX.
19. **Master Facilitator, 2023-2024**, Graduate Mentoring Academy, Texas A&M University, College Station, TX.
20. **ADVANCE Administrative Fellow, 2021-2022**, College of Engineering, Texas A&M University, College Station, TX.

AWARDS, HONORS, AND RECOGNITION

A. International Level

1. **2021 The EOR Women, 2022**. IEA EOR TCP (International Energy Agency- Enhanced Oil Recovery- Technology Collaboration Program)
2. **SPE Distinguished Member, 2018**. Society of Petroleum Engineers (SPE).
3. **SPE Innovative Teaching Award, 2015**. Society of Petroleum Engineers (SPE).
4. **Top 10 Associate Editors, 2014**. Journal of Petroleum Science and Engineering, Elsevier.
5. **SPE Junior Faculty Research Grant, 2014**. Society of Petroleum Engineers (SPE).

B. National Level

6. **SPE Regional Health, Safety and Environment Award 2024**, Society of Petroleum Engineers (SPE) Gulf Coast North America Region.

C. University Level

7. **ADVANCE Diversity Champion Recognition, 2022**, Texas A&M University, College Station, TX.

D. Departmental Level

8. **Michael and Heidi Gatens Professorship, Dec. 2024-Present**, Petroleum Engineering Department, Texas A&M University, College Station, TX.

9. **David Dunlap '83 Faculty Award for Excellence in Service, 2022.** Petroleum Engineering Department, Texas A&M University, College Station, TX.
10. **Flotek Industries, Inc. Career Development Professor, Jan. 2019-Dec.2024,** Petroleum Engineering Department, Texas A&M University, College Station, TX.
11. **Stephen A. Holditch Faculty Fellow, Nov. 2015- Oct. 2018,** Petroleum Engineering Department, Texas A&M University, College Station, TX.

PROFESSIONAL AFFILIATIONS AND MEMBERSHIPS (1 Distinguished Membership and 4 Membership)

1. Society of Petroleum Engineers (SPE), since 2004, and Distinguished Member since 2018.
2. American Chemical Society (ACS), since 2015
3. The Combustion Institute, since 2015
4. American Association of University Professors (AAUP), since 2014
5. Chamber of Turkish Environmental Engineers, since 2002

RESEARCH (2 Patents, 55 peer-reviewed articles, and 140 Conference Proceedings)

1. Grants (\$ 4,000,000 Carrier Total).

- A. Career Total funding: \$6,906,414;
- B. Hascakir's Contribution: \$4,002,060;
- C. Pending: \$1,745,683

2. Publications ([Google Scholar](#))

Authorship: The first author is the most significant contributor, and the last author is the principal investigator.

An asterisk (*) indicates MS, MEng, or PhD level students; Two asterisks (**) indicate undergraduate level students; A dagger (†) indicates faculty collaborators; A double dagger (‡) indicates industry collaborators.

SPE: Society of Petroleum Engineers; ACS: American Chemical Society; ATCE: Annual Technical Conference and Exhibition; AIChE: American Institute of Chemical Engineers; HOLA: Heavy Oil Latin America

A. Patents (patents.justia.com/inventor/berna-hascakir)

1. Barooah, A.^{*}, Khan, M. S.^{*}, Rahman, A.[†], Hassan, I.[†], Hassan, R.[†], Maheshwari, P.[†], **Hascakir, B.**, Pressure gradient model for Optimizing Hole Cleaning Efficiency in Deviated and Horizontal Wells, *under Texas A&M Technology Commercialization Evaluation - Pending*, Filed in Summer 2021.
2. **Hascakir, B.**, Punase, A.^{*}, Method and system for stability determination of asphaltenes utilizing dielectric constant measurements, *US20190113473A1*, *US [licensed by Clariant Corporation in November 2017](#)*. [LINK](#)
3. **Hascakir, B.**, Punase, A.^{*}, Method and system for stability determination of asphaltenes utilizing dielectric constant measurements, *US20180024084A1*, *EP, CA, US, WO*, *[licensed by Clariant Corporation in November 2017](#)*. This patent brought 157,000 USD revenue to the university [LINK](#)

B. Journal Articles (55 Published and 3 under review)

1. Barooah, A.^{*}, Khan, M. S.^{*}, Pradhan, Y., Benavides, A., Fisher, Z.^{**}, **Hascakir, B.**, Strategic Approaches to Enhanced Oil Recovery in India: Current Practices and Future Directions, *Petroleum Science and Technology*, Under Review.
2. Ye, H.^{*}; Albabawat, Z.^{*}; Demir, A. B.^{*}; Hajiyev, M.^{*}; Karabayanova, L.^{*}; Franks, J.[‡]; Benson, T.[‡]; Bauman, J.[‡]; Lane, C.[‡]; **Hascakir, B.**, Role of Kerogen and Reservoir Liquids in Hydrogen Generation Potentials from Shale Reservoirs, *SPE Journal*, Under Review, SPE-231484-PA. [LINK](#)

3. Hajiyev, M.*; Karabayanova, L.*; Ye, H.*; Franks, J.‡; Benson, T.‡, Bauman, J.‡, Lane, C.‡, **Hascakir, B.**, Experimental and Analytical Investigation of Wet In-Situ Combustion in Low-Viscosity Oil Reservoirs: Role of Reservoir Rock and Brine Reactivity, *Geoenergy Science and Engineering*, Under Review
4. Albabawat, Z.*; Demir, A. B.*; Ye, H.*; **Hascakir, B.**, Microwave-Assisted Hydrogen Generation from Petroleum Reservoirs, *SPE Journal*, SPE-228123-PA.
5. Demir, A. B.*; Albabawat, Z.*; Ye, H.*; **Hascakir, B.**, Microwave-Based Hydrogen Production: Dielectric and Thermal Evaluation of Reservoir Rocks, *SPE Journal*, SPE-224322-PA.
6. Karabayanova, L.*; Hajiyev, M.*; Ye, H. *; Orozco, E.*; Franks, J. ‡; Benson, T. ‡; Bauman, J.‡; Lane, C.‡; **Hascakir, B.**, Machine-Learning–Enhanced Analytical Modeling of In-Situ Combustion with Experimental Evaluation of Carbonate Decomposition and Mineral–Gas CO₂ Interactions, *SPE Journal*, SPE-224322-PA.
7. Hajiyev, M. *; Karabayanova, L. *; Hernandez Madero, M. I. *; Sutherland, B. E. **; Harris, J. B. **; Qureshi, I. **; **Hascakir, B.**, 2025. Experimental Evaluation of CO₂ Sequestration Through Carbonation of Magnesium- and Calcium-Rich Minerals, *SPE Journal*, 30 (12): 7910-7920, SPE-220815-PA. [LINK](#)
8. **Hascakir, B.**, Editorial: Accelerating the Energy Transition with Carbon Capture, Utilization, and Interdisciplinary Innovation, *Petroleum Science and Technology*, <https://doi.org/10.1080/10916466.2024.2440226>
9. Ren, B., **Hascakir, B.**, Delshad, M., Duncan, I.J., Sepehrnoori, K., 2025. Editorial: Carbon Capture and Storage at Scale, Special Issue CCS at Scale, Volume 380, 133512, *Fuel*, [LINK](#)
10. Mathews, T.A.*, Azzu, P. *, **Hascakir, B.**, 2024. Unlocking Sustainable Solutions: Exploring Terpene-Based Green Solvents for Enhanced Heavy Oil Recovery, *Special Issue: Celebrating Women in Energy Research, Energy and Fuels*, Vol 38/Issue 24. [LINK](#)
11. Mathews, T.A.*, Kaishentayev, D. *, Augsburg, N. ‡, Lefers, R. ‡, **Hascakir, B.**, 2024. Exploring Innovative Applications of Evaporative Cooling for High TDS-Produced Water Treatment, *SPE Journal*, SPE-214932-PA. [LINK](#)
12. Punase, A.*, **Hascakir, B.**, 2023. Role of Reservoir Brine and Rock in Modulating Asphaltene Stability: Insights from Experimental Analysis, *SPE Journal*, SPE-217448-PA. [LINK](#)
13. Morte, M.K.*, **Hascakir, B.**, 2023. Characterizing the Sensitivity of Dielectric Response in Reservoirs with Varying Lithology and Fluid Saturation, *SPE Journal*, 1-13, SPE-217447-PA. [LINK](#)

14. Punase, A.^{*}, Prakoso, A.^{*}, **Hascakir, B.**, 2023. Effect of Clay Minerals on Asphaltene Deposition in Reservoir Rock: Insights from Experimental Investigations, *Fuel*, 351, 128835. [LINK](#)
15. Pope, C. ^{**}, Ismail, N.^{*}, **Hascakir, B.**, The Role of Reservoir Fluids and Reservoir Rock Mineralogy on In-Situ Combustion Kinetics, *Geoenergy Science and Engineering*, Volume 224, 211516. [LINK](#).
16. Barooah, A.^{*}, Khan, M. S.^{*}, Rahman, A.[†], Hassan, I.[†], Hassan, R.[†], Maheshwari, P.[†], **Hascakir, B.**, Development of Pressure gradient correlation for slurry flow using Dimensional Analysis, *Journal of Natural Gas Science and Engineering*, Volume 104, August 2022, 104660. [LINK](#).
17. Barooah, A.^{*}, Khan, M. S.^{*}, Rahman, A.[†], Hassan, I.[†], Hassan, R.[†], Maheshwari, P.[†], **Hascakir, B.**, Investigation of cutting transport in horizontal/deviated annulus using visualization and pressure drop techniques for two-phase slurry flow, *Journal of Natural Gas Science and Engineering*, Volume 100, April 2022, 104460. [LINK](#)
18. Demir, A. B. ^{*}, Bilgesu, I. [†], **Hascakir, B.**, Interaction of n-Pentane and n-Heptane Insoluble Asphaltenes in Brine with Clay and Sand, *Journal of Petroleum Science and Engineering*, Volume 209, February 2022, 109870. [LINK](#)
19. Seng, L.Y. ^{**}, **Hascakir, B.**, Role of Intermolecular Forces on Surfactant-steam Performance into Heavy Oil Reservoirs, *SPE Journal*, 1-6, SPE-201513-PA. [LINK](#)
20. Kar, T. ^{*}, **Hascakir, B.**, Effect of Clay Type on Emulsion Formation in Steam and Solvent-Steam Flooding, *SPE Journal*, SPE 205363-PA. [LINK](#)
21. Zhang, L. ^{*}, **Hascakir, B.**, A Review of Issues, Characteristics, and Management for Wastewater due to Hydraulic Fracturing in the U.S., *Journal of Petroleum Science and Engineering*, Volume 202, July 2021, 108536. [LINK](#)
22. Kar, T. ^{*}, **Hascakir, B.**, Effect of Solvent Type on Emulsion Formation in Steam and Solvent-Steam Flooding Processes for Heavy Oil Recovery, *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, 2021, Volume 611, Pages 125783. [LINK](#)
23. Seng, L.Y. ^{**}, Al-Shaikh, M. ^{*}, **Hascakir, B.**, Intermolecular Interaction between Heavy Crude Oils and Surfactants during Surfactant-Steam Flooding Process, *ACS Omega*, 2020, 5, 27383-27392. [LINK](#)
24. Bealeessio, B.A. ^{*}, Blázquez Alonso, N. A. ^{*}, Mendes, N. J. ^{*}, Sande, A. V. ^{*}, **Hascakir, B.**, A Review of Enhanced Oil Recovery (EOR) Methods Applied in Kazakhstan, *Petroleum*, Volume 7, Issue 1, Pages 1-9. [LINK](#)

25. Ismail, N.^{*}, **Hascakir, B.**, Impact of Asphaltenes and Clay Interaction on In-Situ Combustion Performance, *Fuel*, 2020, Volume 268-15, 117358. [LINK](#)
26. Zhang, L.^{*}, Tice, M.[†], **Hascakir, B.**, A Laboratory Study of the Impact of Re-Injecting Flowback Fluids on Formation Damage in the Marcellus Shale, *SPE Journal*, 2020, Volume 25-02, SPE-195336-PA. [LINK](#)
27. Morte, M.^{*}, **Hascakir, B.**, Characterization of complex permittivity for consolidated core samples by utilization of mixing rules, *Journal of Petroleum Science and Engineering*, 2019, Volume 181, 106-178. [LINK](#)
28. Morte, M.^{*}, Dean, J.[‡], Kitajima, H.[†], **Hascakir, B.**, Increasing the Penetration Depth of Microwave Radiation Using Acoustic Stress to Trigger Piezoelectricity, *Energy & Fuels*, 2019,33, 6327-6334. [LINK](#)
29. **Hascakir, B.**, Editorial: Introduction to Thermal Enhanced Oil Recovery (EOR) special issue, *Journal of Petroleum Science and Engineering*, SI:Thermal EOR, 171 (2018) 1292-1293. [LINK](#)
30. Banerjee, S.^{*}, **Hascakir, B.**, Flow Control Devices in SAGD Completion Design: Enhanced Heavy Oil/ Bitumen Recovery through Improved Thermal Efficiency, *Journal of Petroleum Science and Engineering*, SI:Thermal EOR, 2018, Volume 169, 297-308. [LINK](#)
31. Ismail, N.^{*}, Seber, E.^{**}, **Hascakir, B.**, Water and Aromatics Fraction Interaction at Elevated Temperature and Their Impact on Reaction Kinetics of In-situ Combustion, *Journal of Petroleum Science and Engineering*, SI:Thermal EOR, Volume 169, October 2018, Pages 24-32. [LINK](#)
32. Prakoso, A.^{*}, Punase, A.^{*}, Rogel, E.[‡], Ovalles, C.[‡], **Hascakir, B.**, Effect of Asphaltene Characteristics on Its Solubility and Overall Stability, *Energy & Fuels*, 2018, 32 (6), 6482-6487. [LINK](#)
33. Kartal O. E.[†], Akin S.[†], **Hascakir, B.**, Karaca H.[†], Liquefaction of Nigde-Ulukisla Oil Shale: The Effects of Process Parameters on the Conversion of Liquefaction Products, *Oil Shale*, 34-4 (2017), 336-353. [LINK](#)
34. Banerjee, S.^{*}, **Hascakir, B.**, Design of Flow Control Devices in Steam Assisted Gravity Drainage (SAGD) Completion, *Journal of Petroleum Exploration and Production Technology*, 2018, 8, 785-797. [LINK](#)
35. Banerjee, S.^{*}, Abdulsattar, Z.R.^{*}, Agim, K.^{*}, Lane, R.H.[†], **Hascakir, B.**, Adsorption Mechanism of the Water-Based Fracturing Fluids on Shale Surface, *Petroleum*, 3 (2017) 384-390. [LINK](#)

36. **Hascakir, B.**, Editorial: Introduction to Thermal Enhanced Oil Recovery (EOR) special issue, *Journal of Petroleum Science and Engineering*, SI:Thermal EOR, 154 (2017) 438-411. [LINK](#)
37. Aleksandrov, D.* , Kudryavtsev, P.* , **Hascakir, B.**, Variations in In-Situ Combustion Performance due to Fracture Orientation, *Journal of Petroleum Science and Engineering, Thermal EOR Special Issue*, 154 (2017) 488-494. [LINK](#)
38. Kar, T.* , Hascakir, B., In-Situ Kerogen Extraction via Combustion and Pyrolysis *Journal of Petroleum Science and Engineering, Thermal EOR Special Issue*, 154 (2017) 488-494. [LINK](#)
39. Prakoso, A.* , Punase, A.* , **Hascakir, B.**, A Mechanistic Understanding of Asphaltene Precipitation from Varying Saturate Concentration Perspective, *SPE Production & Operations*, 2017, 32(01), 86-98, SPE-177280-PA. [LINK](#)
40. Ali, M.* , **Hascakir, B.**, Water-Rock Interaction for Eagle Ford, Marcellus, Green River, and Barnett Shale Samples and Implications for Hydraulic Fracturing Fluid Engineering, *SPE Journal*, 2017, 22(01), 162-171, SPE-177304-PA. [LINK](#)
41. Coelho, R.* , Ovalles, C.† , Benson, I.† , **Hascakir, B.**, Effect of Clay Presence and Solvent Dose on Hybrid Solvent Steam Performance, *Journal of Petroleum Science and Engineering*, 2017, 150, 203-207. [LINK](#)
42. Punase, A.* , **Hascakir, B.**, Stability Determination of Asphaltenes through Dielectric Constant Measurements of Polar Oil Fractions, *Energy and Fuels*, 2017, 31(1), 65-77. [LINK](#)
43. Kar, T.* , Stape, P.* , Mukhametshina, A.* , **Hascakir, B.**, Effect of Solvent Type on Water-in-Oil Emulsion Formation for Steam Flooding and Steam-Assisted Gravity Drainage, *Canadian Heavy Oil Association Journal (CHAO Journal)*. October 2016 Edition, 13-19, 2016. [LINK](#) **Invited**
44. Morte, M.* , **Hascakir, B.**, Estimation of Pseudo-Relative Permeability Curves through an Analytical Approach for Steam Assisted Gravity Drainage (SAGD) and Solvent Aided-Steam Assisted Gravity Drainage, *Journal of Unconventional Oil and Gas Resources*. 16, 45-52, 2016. [LINK](#)
45. **Hascakir, B.**, How to select the right solvent for solvent-aided steam injection processes, *Journal of Petroleum Science and Engineering*, Volume 146, 746-751, 2016. [LINK](#)
46. Mukhametshina, A.* , Kar, T.* , **Hascakir, B.**, Bitumen Extraction by Expanding Solvent-Steam Assisted Gravity Drainage (ES-SAGD) with Asphaltene Solvents and Non-Solvents, *SPE Journal*, Volume 21, Issue 02, 380-392, 2016, SPE-170013-PA. [LINK](#)

47. Kar, T.^{*}, Ovalles, C. [†], Rogel, E. [†], Vien, J. [†], **Hascakir, B.**, The Residual Oil Saturation Determination for Steam Assisted Gravity Drainage (SAGD) and Solvent-SAGD, *Fuel*, 2016, 172, 187-195. [LINK](#)
48. Kar, T.^{*}, Mukhametshina, A.^{*}, Unal, Y.^{*}, **Hascakir B.**, The Effect of Clay Type on Steam Assisted Gravity Drainage Performance, *SPE Journal of Canadian Petroleum Technology*, 2015, 54(6), 412-423, SPE-173795-PA. [LINK](#)
49. Kar, T.^{*}, **Hascakir, B.**, The Role of Resins, Asphaltenes, and Water in Water-Oil Emulsion Breaking with Microwave Heating, *Energy and Fuels*, 2015, 29, 3684-3690, [LINK](#)
50. Aleksandrov, D.^{*}, **Hascakir, B.**, Laboratory Screening Tests on the Effect of Initial Oil Saturation for the Dynamic Control of In-Situ Combustion, *Fuel Processing Technology*, Volume 130, 224-234, February 2015. [LINK](#)
51. **Hascakir, B.**, Ross, C., Castanier, L. Kavscek, A. [†], Fuel Formation and Conversion during In-Situ Combustion of Crude Oil, *SPE Journal*, Volume 18, Issue 6, 1217-1228, 2013, SPE 146867-PA. [LINK](#)
52. **Hascakir, B.**, Glatz, G., Castanier, L. Kavscek, A. [†], In-Situ Combustion Dynamics Visualized with X-Ray Computed Tomography, *SPE Journal*, Volume 16, Issue 3, 524-536, 2011, SPE 135186-PA. [LINK](#)
53. Cinar, M., **Hascakir, B.**, Castanier, L. Kavscek, A. [†], Predictability of Crude Oil In-Situ Combustion by the Isoconversional Kinetic Approach, *SPE Journal*, Volume 16, Issue 3, 537-547, 2011, SPE 148088-PA. [LINK](#)
54. **Hascakir, B.**, Babadagli, T. [†], Akin, S. [†], Field Scale Analysis of Heavy-Oil Recovery by Electrical Heating, *SPE Reservoir Evaluation & Engineering*, 13-1, 131-142, 2010, SPE 117669-PA. [LINK](#)
55. **Hascakir, B.**, Akin, S. [†], Recovery of Turkish Oil Shales by Electromagnetic Heating and Determination of the Dielectric Properties of Oil Shales by an Analytical Method, *Energy and Fuels*, 24(1), 503-509, 2010 [LINK](#)
56. **Hascakir, B.**, Acar, C., Akin, S. [†], Microwave Assisted Heavy Oil Production: An Experimental Approach, *Energy and Fuels*, 23(12), 6033-6039, 2009. [LINK](#)
57. **Hascakir, B.**, Babadagli, T. [†], Akin, S. [†], Experimental and Numerical Simulation of Oil Recovery from Oil Shales by Electrical Heating, *Energy and Fuels*, 22 (6), 3976–3985, 2008. [LINK](#)
58. **Hascakir, B.**, Dolgen, D. [†], Utilization of Clay Minerals in Wastewater Treatment: Organic Matter Removal with Kaolinite, *Ekoloji*, 66 (6), 47-54, 2008 (Turkish). [LINK](#)

C. Conference Proceedings (140 conference proceedings)

1. Haque, S.*; Ye, H.*; Franks, J.†; Benson, T.†; Bauman, J.†; Lane, C.†; **Hascakir, B.**, Maximizing Hydrogen Production from In-situ Combustion Gasification in the Bakken Formation , *SPE Annual Technical Conference and Exhibition (ATCE 2026)*, 21-23 October 2026, Houston, Texas, USA, SPE-233826-MS. [LINK](#).
2. Demir, A. B.*; Yang, Q.; **Hascakir, B.**, Multifunctional Role of Calcium Hydroxide in Coupling Carbon Capture and Hydrogen Generation in Petroleum Reservoir Rock Systems, *SPE Annual Technical Conference and Exhibition (ATCE 2026)*, 21-23 October 2026, Houston, Texas, USA, SPE-234168-MS. [LINK](#).
3. Ye, H.* , **Hascakir, B.**, Experimental Analysis: The Role of Mineralogy in Reduction of Salinity on Production Water and CO₂ Gases By Improved Wet In-situ Combustion on Unconventional Light oil Reservoir, *SPE Permian Basin Energy Conference*, 22-24 September 2026, Midland, Texas, USA, SPE-234636-MS. [LINK](#).
4. **Hascakir, B.**, Critical Minerals as Drivers of Subsurface Energy Conversion, *Unconventional Resources Technology Conference (URTeC- 2026)*, 22-24 June 2026, Houston Texas. URTeC 4493795. [LINK](#)
5. Hajiyevev, M.*; Karabayanova, L.*; Ye, H.*; Akhilgov, I.* , Haque, S.*; Franks, J.†; Benson, T.†; Bauman, J.†; Lane, C.†; **Hascakir, B.**, Stabilizing In-Situ Combustion in Bakken Formation Using Hydroxide Additives: Evidence of Enhanced Combustion Efficiency and Reduced Oxygen Demand, *Unconventional Resources Technology Conference (URTeC- 2026)*, 22-24 June 2026, Houston Texas. URTeC 4493810. [LINK](#)
6. Demir, A. B.*; Yang, Q.; **Hascakir, B.**, Microwave-Assisted Hydrogen Generation from Hydrocarbon-Bearing Reservoir Rocks: Stage-Dependent Thermal Runaway and In-Situ Carbonate Engineering, *Unconventional Resources Technology Conference (URTeC- 2026)*, 22-24 June 2026, Houston Texas. URTeC 4493775. [LINK](#)
7. Karabayanova, L.*; **Hascakir, B.**, Rapid CO₂ Capture by Alkaline Hydroxides under Multiphase High-Temperature Conditions: Insights from Non-Isothermal Analysis, *Unconventional Resources Technology Conference (URTeC- 2026)*, 22-24 June 2026, Houston Texas. URTeC 4493820. [LINK](#)
8. Ye, H.*; Karabayanova, L.*; Hajiyevev, M.*; Albabawat, Z.*; Demir, A. B.*; Franks, J.†; Benson, T.†; Bauman, J.†; Lane, C.†; **Hascakir, B.**, In-situ Hydrogen Generation from Kerogen-rich Reservoirs: A low-Carbon Pathway For EOR/IOR, *SPE Improved Oil Recovery Conference SPE IOR 26*, 21-23 April 2026, Tulsa, OK, USA, SPE-231484-MS. [LINK](#)

9. Ye, H.*; Akhilgov, I.*; Haque, S.*; Albabawat, Z.*; Karabayanova, L.*; Hajiyeve, M.*; Franks, J.†; Benson, T.†; Bauman, J.†; Lane, C.†; **Hascakir, B.**, From Laboratory Diagnostics to Seismic Monitoring: Acoustic Signatures of In-Situ Combustion Dynamics, *SPE Improved Oil Recovery Conference SPE IOR 26*, 21-23 April 2026, Tulsa, OK, USA, SPE-231485-MS. [LINK](#)

10. Karabayanova, L.*; Akhilgov, I.*; Hajiyeve, M.*; Haque, S.*; Ye, H.*; Cheke, P.**; Franks, J.†; Benson, T.†; Bauman, J.†; Lane, C.†; **Hascakir, B.**, Experimental Evaluation of Oxygen-Enriched In-Situ Combustion in the Middle Bakken: The Role of Rock Mineralogy, *SPE Improved Oil Recovery Conference SPE IOR 26*, 21-23 April 2026, Tulsa, OK, USA, SPE-231606-MS. [LINK](#)

11. Karabayanova, L.*; Hajiyeve, M.*; Akhilgov, I.*; Haque, S.*; Ye, H.*; Cheke, P.**; Franks, J.†; Benson, T.†; Bauman, J.†; Lane, C.†; **Hascakir, B.**, Pore-Structure Evolution During Wet In-Situ Combustion: Experimental Insights from Middle Bakken Combustion-Tube Tests, *SPE Improved Oil Recovery Conference SPE IOR 26*, 21-23 April 2026, Tulsa, OK, USA, SPE-231558-MS. [LINK](#)

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103. Kozlowski, M.** , Kar, T.* , **Hascakir, B.**, Ex-situ Extraction of Green River Oil Shale by Combustion, *Western States Section of the Combustion Institute Fall Meeting*, Provo, Utah, USA. October 5-6, 2015. 134IE-0051.
104. Klock, K.** , Prakoso, A.* , Punase, A.* , **Hascakir, B.**, The combustion behavior of various hydrocarbons with complex molecular structures, *Western States Section of the Combustion Institute Fall Meeting*, Provo, Utah, USA. October 5-6, 2015. 134CK-0042.

105. **Hascakir, B.**, Description of In-situ Oil Upgrading Mechanism for In-situ Combustion Based on a Reductionist Chemical Model, *SPE Annual Technical Conference and Exhibition (ATCE)*, 28-30 September 2015 in Houston, Texas, USA, SPE 175086-MS. DR: 47. [LINK](#)
106. **Hascakir, B.**, Evaluation of Thermal Enhanced Oil Recovery Methods, *SPE Heavy Oil Workshop: Lifting Recovery to the Next Level*, 22-23 September 2015 in Budapest, Hungary. [LINK](#) **Invited**
107. Stape, P.* , **Hascakir, B.**, The Performance Evaluation of Solvent-Steam Processes for Bitumen Extraction, *International Science and Practice Conference "Specific of Survey and Exploration of Alternative Hydrocarbon Fields"*, 2-3 September, 2015, Kazan, Republic of Tatarstan, Russia. **Invited**
108. Kar, T.* , Yeoh, J.** , Ovalles, C.†, Rogel, E.†, Benson, I.P.†, **Hascakir, B.**, The Impact of Asphaltene Precipitation and Clay Migration on Wettability Alteration for Steam Assisted Gravity Drainage (SAGD) and Expanding Solvent SAGD (ES-SAGD), *2015 SPE Heavy Oil Conference*, 9-11 June, 2015, Calgary, Alberta, Canada, SPE-174439-MS. [LINK](#)
109. Guven, S.* , Akin, S.†, **Hascakir, B.**, Spectral and Thermal Analysis Explains the Mechanisms of Oil Shale Recovery with Microwave Heating, *20th International Petroleum and Natural Gas Congress and Exhibition of Turkey*, 27-29 May 2015, Ankara, Turkey. [LINK](#)
110. **Hascakir, B.**, Soot Particle and Ash Analysis for Combustion, Combustion Institute, *9th U.S. National Combustion Meeting*, May 17-20 2015, Cincinnati, Ohio, USA, 114DI-0066.
111. Unal, Y.* , Kar, T. * , Mukhametshina, A.* , **Hascakir B.**, The Impact of Clay Type on the Asphaltene Deposition during Bitumen Extraction with Steam Assisted Gravity Drainage, *International Symposium on Oil Field Chemistry*, 13-15 April 2015, The Woodlands, Texas, USA, SPE-173795-MS. [LINK](#)
112. Abdulsattar, Z.R.* , Agim, K.* , Lane, R.H.†, **Hascakir, B.**, Physicochemical Interactions of Shale with Injected Water-Based Fluids, *International Symposium on Oil Field Chemistry*, 13-15 April 2015, The Woodlands, Texas, USA, SPE-173727-MS. [LINK](#)
113. Ali, M.* , **Hascakir, B.**, A Critical Review of Emerging Challenges for the Oil Field Waters in United States, *SPE E&P Health, Safety, Security, and Environmental Conference-Americas*, 16-18 March 2015, Denver, Colorado, USA, SPE 173529-MS. [LINK](#)
114. Guven, S.* , Akin S.†, **Hascakir, B.**, Comprehensive Spectral and Thermal Characterization of Oil Shales, *SPE Middle East Unconventional Resources Conference and Exhibition*, 26-28 January 2015, Muscat, Oman, SPE-172952-MS. [LINK](#)

115. Kar, T.^{*}, Williamson, M.^{**}, **Hascakir, B.**, The Role of Asphaltenes in Emulsions Formation for Steam Assisted Gravity Drainage (SAGD) and Expanding Solvent-SAGD (ES-SAGD), *2014 SPE Heavy and Extra Heavy Oil Conference-Latin America*, 24-26 September 2014, Medellin, Colombia, SPE-171076-MS. [LINK](#)
116. **Hascakir, B.**, Kavscek A.[†], Analysis of In-Situ Combustion Performance in Heterogeneous Media, *2014 SPE Heavy Oil Conference*, 10-12 June, 2014, Calgary, Alberta, Canada, SPE 170008-MS. [LINK](#)
117. Mukhametshina, A.^{*}, **Hascakir, B.**, Bitumen extraction by expanding solvent-steam assisted gravity drainage (ES-SAGD) with asphaltene solvents and non-solvents, *2014 SPE Heavy Oil Conference*, 10-12 June, 2014, Calgary, Alberta, Canada, SPE 170013-MS. [LINK](#)
118. Morrow, A.^{**}, Mukhametshina, A.^{*}, Aleksandrov, D.^{*}, **Hascakir, B.**, Environmental Impact of Bitumen Extraction with Thermal Recovery, *2014 SPE Heavy Oil Conference*, 10-12 June, 2014, Calgary, Alberta, Canada, SPE 170066-MS. [LINK](#)
119. Mukhametshina, A.^{*}, Morrow, A.^{**}, Aleksandrov, D.^{*}, **Hascakir, B.**, Evaluation of Four Thermal Recovery Methods for Bitumen Extraction, *2014 SPE Western North America and Rocky Mountain Joint Regional Meeting*, 16-18 April 2014 Denver, CO, USA, SPE 169543-MS. [LINK](#)
120. Kudryavtsev, P.^{*}, **Hascakir, B.**, Towards Dynamic Control of In-situ Combustion: Effect of Initial Oil and Water Saturations, *2014 SPE Western North America and Rocky Mountain Joint Regional Meeting*, 16-18 April 2014 Denver, Colorado USA, SPE 169542-MS. [LINK](#)
121. **Hascakir, B.**, Ross, C., Castanier, L. Kavscek, A.[†], Fuel Formation During In-Situ Combustion of Heavy Oil, *SPE Annual Technical Conference and Exhibition (ATCE)*, 30 October-2 November 2011 in Denver, Colorado, USA, SPE-146867-PP. [LINK](#)
122. Glatz, G., **Hascakir, B.**, Clemens, T.[‡], Castanier, L., Kavscek, A.[†], Kinetic Cell and Combustion Tube Results for a Central European Crude, *SPE Annual Technical Conference and Exhibition (ATCE)*, 30 October-2 November 2011 in Denver, Colorado, USA, SPE-146089-PP. [LINK](#)
123. **Hascakir, B.**, Babadagli, T.[†], Akin, S.[†], Heavy Oil Recovery from Oil Shales by Electrical Heating, *SPE History Matching: Field Experiences and Lessons Learned*, Cartagena, Colombia, 29-31 August 2011. **Invited**
124. **Hascakir, B.**, Castanier, L., Kavscek, A.[†], In-Situ Combustion Dynamics Visualized with X-Ray Computed Tomography, *SPE Annual Technical Conference and Exhibition (ATCE)*, Florence, Italy, 20-22 September 2010, SPE-135186-PP. [LINK](#)

125. Karaca, H.[†], Kartal, O. E.[†], Akin, S.[†], **Hascakir, B.**, Characterization of Solid and Liquid Hydrocarbons Obtained from Liquefaction of Nigde-Ulukisla Oil Shales, *The 9th National Chemistry Congress*, 22-25 June, 2015, Ankara/Turkey. [LINK](#)
126. **Hascakir, B.**, Kovscek, A. [†], Reservoir Simulation of Cyclic Steam Injection Including the Effects of Temperature Induced Wettability Alteration, *2010 SPE Western Regional Meeting*, Anaheim, California, USA, 27-29 May 2010, SPE 132608. [LINK](#)
127. **Hascakir, B.**, Acar, C., Demiral, B. [†], Akin, S. [†], Microwave Assisted Gravity Drainage of Heavy Oils, *International Petroleum Technology Conference*, Kuala Lumpur, Malaysia, 3–5 December 2008, IPTC-12536-MS. [LINK](#)
128. **Hascakir, B.**, Babadagli, T.[†], Akin, S.[†], Experimental and Numerical Modeling of Heavy-Oil Recovery by Electrical Heating, *SPE International Thermal Operations and Heavy Oil Symposium*, Calgary, Alberta, CANADA, 21-23 October 2008, SPE-117669. [LINK](#)
129. Karaca, H.[†], Kartal, O. E.[†], Akin, S.[†], **Hascakir, B.**, Liquefaction of Nigde-Ulukisla Oil Shales and the Waste Paper, *The 22nd National Chemistry Congress*, 6-10 October, 2015, Famagusta/Cyprus.
130. Acar, C., **Hascakir, B.**, Demiral, B.[†], Akin, S.[†], Karaca, H.[†], Kartal, O.E.[†], Microwave Heating of Heavy Oil Reservoirs: Effect of Wettability, *150 Years of Petroleum Industry: Tradition & Challenges*, Bucharest, ROMANIA, October 2007.
131. **Hascakir, B.**, Acar, C., Demiral, B.[†], Akin, S.[†], Karaca, H.[†], Kartal, O.E.[†], Heavy Oil Recovery from Thin Pay Zones by Microwave Heating, *International Petroleum and Natural Gas Congress & Exhibition of Turkey*, Ankara, TURKEY, May 2007 (Turkish).
132. **Hascakir, B.**, Akin S.[†], Effect of Metallic Additives on Upgrading Heavy Oil with Microwave Heating, *First World Heavy Oil Conference (WHOC)*, Beijing, CHINA, November 2006.
133. **Hascakir, B.**, Dolgen, D.[†], Investigation of Treatment Performance of Kaolinite onto Different Wastewater Types and Treatment Methods, *Fourth Mediterranean Clay Meeting*, Ankara, TURKEY, September 2006.
134. **Hascakir, B.**, Dolgen, D.[†], Evaluation of Treatment Efficiencies of Kaolinite for Various Wastewater Samples, *Bridging Clays*, Ile d'Oléron, FRANCE, June 2006.
135. **Hascakir, B.**, Hydraulic Potential of Turkey, *3rd Aegean Energy Symposium*, Mugla, TURKEY, May 2006 (Turkish).

136. **Hascakir, B.**, Dolgen, D.[†], Chemical Treatment of Wastewaters Originated from Printing Processes of Corrugated Box Industries, *6th National Environmental Engineering Conference*, Istanbul, TURKEY, November 2005 (Turkish).
137. **Hascakir, B.**, Dolgen, D.[†], Utilization of Clay Minerals in Wastewater Treatment: Organic Matter Removal with Kaolin (China Clay), *12th National Clay Conference*, Van, September 2005 (Turkish).
138. **Hascakir, B.**, Demiral, B.[†], Akin, S.[†], Experimental and Numerical Analysis of Oil Shale Production Using Retort Technique, *15th International Petroleum and Natural Gas Congress and Exhibition of Turkey*, Ankara, TURKEY, May 2005.
139. Dolgen, D.[†], **Hascakir, B.**, Akkus, M., Application of Clay Minerals in the Environmental Engineering: Experiments with Domestic Wastewater, *Ecology Congress*, Bolu, TURKEY, October 2004 (Turkish).
140. **Hascakir, B.**, Dolgen, D.[†], Akkus, M., Treatability of Corrugated Paperboard Industry Wastewater by Physicochemical Treatment Methods, *9th Industrial Contamination Congress*, Istanbul, TURKEY, June 2004 (Turkish).

TEACHING

A. Instructing

I. Teaching As an Instructor in Higher Education **Total Enrollment: 1,802 Students, Since April 2012.**

1. PETE 314- Transport Processes in Petroleum Production, 12 Semesters, Since Fall 2019. Petroleum Engineering Department, Texas A&M University, College Station, TX.
2. ICPE 614, CO₂ Sequestration, 3 semesters, Since Summer 2020. Energy Institute, Texas A&M University, College Station, TX.
3. PETE 409/609, Enhanced Oil Recovery, 10 semesters, Since Summer 2014. Petroleum Engineering Department, Texas A&M University, College Station, TX.
4. PETE 310, Reservoir Fluids, 6 semesters, Since Spring 2014. Petroleum Engineering Department, Texas A&M University, College Station, TX.
5. PETE 606, Thermal EOR Processes, 3 semesters, Since Fall 2012. Petroleum Engineering Department, Texas A&M University, College Station, TX.
6. PETE 623- Waterflooding, 2 semesters, Since Summer 2015. Petroleum Engineering Department, Texas A&M University, College Station, TX.

II. Additional Teaching Activities in Higher Education **Total enrollment: 270 Since 2022.**

7. Aligning Expectations in Mentoring (AE), 2023- Graduate Academy Fellow, Center for Teaching Excellence (GMA)
8. Supporting Well-Being in Mentoring (Previously AEI)
9. Addressing Equity and Inclusion, Attendance (AEI)
10. Promoting Professional Development (PPD) in Mentoring
11. Maintaining Effective Communication (MEC) in Mentoring
12. Fostering Independence in Mentoring (FI)
13. Aligning Expectations in Mentoring (AE)
14. Assessing Understanding (AU) in mentoring

III. Teaching As a Teaching Assistant (between 2003-2007) **Total enrollment: 280, Between 2003-2007.**

15. PETE 342 – Petroleum Reservoir Engineering I, Petroleum and Natural Gas Engineering Department, Middle East Technical University, Ankara, Turkey.

16. PETE 211 – Introduction to Fluid Mechanics, Petroleum and Natural Gas Engineering Department, Middle East Technical University, Ankara, Turkey.
17. PETE 441 – Petroleum Reservoir Engineering II, Petroleum and Natural Gas Engineering Department, Middle East Technical University, Ankara, Turkey.
18. PETE 216 – Reservoir Rock & Fluid Properties, Petroleum and Natural Gas Engineering Department, Middle East Technical University, Ankara, Turkey.
19. ES 202 – Mathematics for Engineers, Petroleum and Natural Gas Engineering Department, Middle East Technical University, Ankara, Turkey.
20. PETE 110 – Introduction to Petroleum Engineering, Petroleum and Natural Gas Engineering Department, Middle East Technical University, Ankara, Turkey.

IV. Teaching As an Instructor in Elementary Schools Total Enrollment: 1,700 Students, between 2001-2003.

21. Computer, 2002-2003. Mimar Kemalettin Elementary School, Izmir, Turkey.
22. Computer- 2001. Altin Computer Course, Izmir, Turkey.

B. Advising

- I. Undergraduate Advising (Continuing: 4; Completed: 43)
- II. Graduate Advising (Continuing: 7 PhD, 2 MS, and 2 MEng; Graduated: 9 PhD, 18 MS, and 3 MEng)
- III. Committee Member: 21 PhD (3 outside department at A&M and 9 international/outside A&M), 16 MS (7 outside department at A&M and 2 international/outside A&M), 2 MEng
- IV. Professional Students/Interns/Residencies Advising (Continuing: 0; Completed: 22 (20 BS, 1 MS, 1 PhD))
- V. Faculty Mentoring (nonstudents) (Total 5)

C. Professional Presentations/Invited Speaker/Media (53 invitations)

1. Panelist, 2026-08-25. Elevating Chemistry: A Tech Show in Energy & Fuels, Event Name: Energy and Fuel (ENFL) Division of the American Chemical Society (ACS) and the Sustainable Development Technical Section (SDTS) of the Society of Petroleum Engineers (SPE), Chicago, USA.
2. Keynote Speech, 2026-08-23/27. Management of Heavy Oil Reservoirs, Environmentally Sustainable Technologies for Heavy Crude Oil and Bitumen Production, Opportunities, and Low-Cost Solutions, Event Name: Energy and Fuel (ENFL), Geochemistry (GEOC), and

Environmental (ENVR) Divisions of the American Chemical Society (ACS) and the Sustainable Development Technical Section (SDTS) of the Society of Petroleum Engineers (SPE), Chicago, USA.

3. Guest Speech, 2026-05-06. Produced Water Management in Unconventional and Thermal Operations: Challenges, Opportunities, and Low-Cost Solutions, Nexus OFS Webinar- UAE-based training and engineering services, Abu Dhabi, United Arab Emirates.
4. Night of Honor Speech, 2026-03-28, Parent Speaker. The Amazing Journey of Deniz and Hazel, Made Possible by You!, Autism Awareness and Early Intervention, NASA, Space Center, Houston, Texas, USA.
5. Guest Speech, 2025-10-23. Ultramafic Rock-Based Filters for CO₂ Capture in Simulated Emission Streams, Event Name: Nexus OFS Webinar- UAE-based training and engineering services, Abu Dhabi, United Arab Emirates. [LINK](#)
6. Panelist, 2025-10-22. Harnessing innovation combatting climate change in the 21st century Ultramafic Rock, MSC Wiley Symposia-Texas A&M University, College Station, TX.
7. Guest Speech, 2025-10-09, What is Petroleum Engineering? K-12 Career Day, Pearland ISD, Pearland, TX.
8. Plenary Talk, 2025-08-09, Serpentinization: A Rapid and Permanent Solution for Carbon Capture and Storage, ACS Fall 2025 Digital Meeting Global Virtual Symposia (GVS). [LINK](#)
9. Guest Speech, 2025-04-19, Olmaz Demeyin, Deneyin: İmkânsızdan Mümküne Yolculuk (Don't Say It's Impossible, Try It: A Journey from the Impossible to the Possible), Turkish Educational Foundation.
10. Guest Lecturer, 2025-01-09, Carbon Challenges in Climate and Petroleum Engineering: A Path Toward Sustainability, SEG-SPG-EAGE Student Chapter at Pandit Deendayal Energy University (PDEU), Gandhinagar, India.
11. Online Lecturer, Date: 2024-14-11, Introduction to Thermal EOR Methods, JNTUK SPE Student Chapter, Jawaharlal Nehru Technological University, Ramanayyapeta, Andhra Pradesh, India.
12. Keynote Speech, 2024-09-10, Carbon Capture and Storage Processes, 4th International Conference on Energy, Environment, and Storage of Energy, Kapadokya, Nevsehir, Turkey.
13. Panelist, 2024-03-10, Turkish women petroleum engineers working abroad, by Turkish Chamber of Petroleum Engineers, Women's Working Group, Ankara, Turkey. [LINK](#). [LINK2](#)
14. Plenary Speaker, 2023-11-20, Reservoir Rock Contribution to In-situ Combustion Performance, Thermal EOR Workshop in Ankara, Turkey.

15. Guest Speech, 2023-3-29, Involvement of Petroleum Engineers in Carbon Capture, Utilization, and Storage Projects, Society of Petroleum Engineers, University of Batna 2-chapter, Hassi Messaoud Section, Algeria.
16. Graduate Seminar Speech, 2023-3-24, In-situ combustion: the most promising enhanced oil recovery method, Department of Petroleum Engineering at the University of Houston, Houston, TX.
17. Keynote Speech, 2022-11-5, Energy Transition and Future of Thermal-EOR, Thermal Methods for Enhanced Oil Recovery, ThEOR 2022, Baku Azerbaijan. [LINK](#)
18. Graduate Seminar Speech, 2022-10-28, Net-zero carbon emissions and the future of petroleum engineering, Craft and Hawkins Department of Petroleum Engineering at the Louisiana State University (LSU), Baton Rouge, Louisiana.
19. Panelist, 2022-10-22, Energy Transition and Future of EOR, The International Energy Agency Technology Collaboration Program for Enhanced Oil Recovery (IEA EOR TCP), the Global vision Task forces emerging technologies-Virtual, Bogota, Colombia.
20. Guest Speech, 2022-09-22, Effectiveness of Electromagnetic Wave Applications in Petroleum Reservoirs, The Heavy Oil Community of Practice within Chevron, Bakersfield, California-Virtual.
21. Graduate Seminar Speaker, 2022-04-22, Net-zero carbon emissions and the future of petroleum engineering, Mewbourne College of Earth and Energy, Mewbourne School of Petroleum and Geological Engineering, The University of Oklahoma.
22. Keynote Speech, 2021-12-21, Factors Affecting Electromagnetic Wave propagation in Heavy Oil Reservoirs, Thermal Methods for Enhanced Oil Recovery, ThEOR 2021, Virtual.
23. Guest Speech, 2021-10-25, Everything You Need to Know About Graduate Study, Texas A&M University, Doha, Qatar.
24. Graduate Seminar Speech, 2021-10-22, Effectiveness of Electromagnetic Wave Applications in Petroleum Production, Bob L. Herd Department of Petroleum Engineering, Texas Tech University.
25. Panelist, 2021-07-17, Carbon dioxide flooding for heavy oil recovery: how to maintain miscibility, The International Energy Agency Technology Collaboration Program for Enhanced Oil Recovery (IEA EOR TCP), the Global vision Task forces emerging technologies.
26. Keynote Speech, 2021-07-07, Solvent selection for heavy oil recovery with minimum environmental impact, SPE Colombia Heavy Oil Annual Meeting, Big Challenges, Heavy Solutions-Virtual.
27. Guest Speech, 2021-05-20, How to optimize a miscible EOR flood with minimal environmental impact, SPE Gulf Coast Section, Reservoir Study Group-Virtual. [LINK](#)

28. Guest Lecturer, 2021-05-14, Can zero emissions be a realistic objective? Future of Petroleum Engineering, SPE Student Chapter –SPE Ecuador Section, Ecuador.
29. Guest Lecturer, 2020-12-07, Environmental Impact of Oil and Gas Production- Part 1: Gas Emissions, SPE Student Chapter –University of Belgrade, Serbia -Virtual. [LINK](#)
30. Webinar Speaker, 2020-11-13, Introduction to Thermal Enhanced Oil Recovery Methods, SPE Student Chapter-Universidad del Noreste (UNE), Mexico-Virtual. [LINK](#)
31. Keynote Speech, 2020-10-29, Ataturk, Me, and Reformed Republic, Texas A&M University, Turkish Student Association, -Virtual. [LINK](#).
32. Graduate Seminar Speaker, 2019-02-05, Who to Blame for Climate Change, Petroleum Engineering Department, Texas A&M University, College Station, TX.
33. Graduate Seminar Speaker, 2018-12-02, Contribution of Oil and Gas Industry to Global Warming, Texas A&M University, Doha, Qatar.
34. Graduate Seminar Speaker, 2018-11-26, Factors Affecting Asphaltenes Stability, Petroleum and Geosystem Engineering Department, UT at Austin, TX.
35. Webinar Speaker, 2017-10-19, Factors Affecting Asphaltenes Stability, Schlumberger Heavy Oil Special Interest Group, Mexico City, Mexico.
36. Workshop Leader, 2017-09-18, Enhancing the proper management and treatment of produced water for reinjection purposes, Unconventional Completions Conference, Houston, TX.
37. Seminar Speaker, 2017-04-07, The Effectiveness of Microwave Heating for High Asphaltenes Content Oil Reservoirs, Chevron Cooperation, Richmond Technology Center, Richmond, California, USA.
38. Guest Lecturer, 2017-03-14, Enhanced Oil Recovery, PETE 402-Section 502-503: Integrated Asset Development, Location, Petroleum Engineering Department, Texas A&M University, College Station, TX.
39. Panelist, 2016-08-22, New Faculty Orientation, The Office of Dean of Faculties, Texas A&M University, College Station, TX.
40. Lunch and Learn, 2016-07-30, Solvent-Steam Processes: Benefits and Drawbacks, RPE Chevron, Houston, Texas, USA.
41. Plenary Lecturer, 2016-06-30, The Impact of Asphaltenes on Thermal EOR Performance, Thermal Methods for Enhanced Oil Recovery, TheOR 2016, Kazan, Russia.
42. Graduate Seminar Speaker, 2016-06-28, Fundamentals of Miscible Flooding, Petroleum Engineering Department, Kazan Federal University, Kazan, Russia.

43. Seminar Speaker, 2015-12-04, Hydrocarbon Extraction from Unconventional Reservoirs, Centro de Investigación en Química Aplicada (CIQA), in Saltillo Coahuila, México, Role.
44. Panelist, 2015-10-28, Faculty Insight Luncheon for WE LEAD, Women in Engineering (WE), Texas A&M University, College Station, TX.
45. Panelist, 2015-09-22/23, Lifting Recovery to the Next Level, In-situ electrical heating stimulation for heavy oil recovery, SPE Heavy Oil Workshop in Budapest, Hungary.
46. Guest Speaker, 2015-09-03, Solvent-Steam Processes for Heavy Oil and bitumen Extraction, International Science and Practice Conference “Specific of Survey and Exploration of Alternative Hydrocarbon Fields”, Kazan, Republic of Tatarstan, Russia.
47. Panelist, 2015-08-24, New Faculty Orientation, The Office of Dean of Faculties, Texas A&M University, College Station, TX.
48. Graduate Seminar Speaker, 2014-10-28, Advanced Recovery Techniques for Unconventional Oil Resources, Country Process Engineering Department, Memorial University of Newfoundland and Labrador, Canada.
49. Undergraduate Seminar Speaker, 2014-10-27, Reservoir Fluids-Dry Gases, Process Engineering Department, Memorial University of Newfoundland and Labrador, Canada.
50. Seminar Speaker, 2013-03-27, Hydrogen Sulfide problem during steam injection processes, Ecopetrol, Bogota, Colombia.
51. Seminar Speaker, 2013-03-15, Oil Shale extraction with RF (Radio Frequency) heating, CPI-Communications & Power Industries Palo Alto, CA, USA.
52. Seminar Speaker, 2013-03-15, Oil Shale extraction with RF (Radio Frequency) heating, SLAC-Stanford National Accelerator Laboratory, Stanford, CA, USA.
53. Seminar Speaker, 2011-02-15, Complexity behind field-scale modeling of in-situ combustion, Schlumberger, Abingdon, UK.

SERVICE (62 duties, 27 are current and 35 are completed)

A. Current Service (20 of them international)

I. International Level

1. Editor-in-chief, 2022-Present. Petroleum Science and Technology, Taylor and Francis Group, LLC.
2. Editor, 2023-Present. Fuel, Elsevier.
3. Editorial Board Member, Scientific Reports, 2025-Present. Springer Nature.
4. Guest Editor, Special Issue, Advanced Technologies and Strategies in Subsurface Storage, 2025-2026. Fuel, Elsevier.
5. Editorial Advisory Board, 2023- Present. Taylor and Francis Group, LLC, [LINK](#)
6. Topical Advisory Panel, 2023-Present. Energies, Section H1: Petroleum Engineering Section, MDPI Journals.
7. Co-chair, SPE PEDHA (Petroleum Engineering Department Head Association) Workshop, 2026-2027.
8. Chair Elect, SPE Awards and Recognition Committee for the 2027 award season.
9. Chair, SPE Education and Accreditation Committee (EAC), 2026-2028. Society of Petroleum Engineers (SPE).
10. Committee Member, SPE Awards & Recognition Committee, 2026. Society of Petroleum Engineers (SPE).
11. Committee Member, SPE Education and Accreditation Committee (EAC), 2025-2028. Society of Petroleum Engineers (SPE).
12. Committee Member, SPE Diversity & Inclusion Standing Committee, 2027-2030. Society of Petroleum Engineers (SPE).
13. Committee Member, SPE/PEDHA Workshop Committee, 2027. Society of Petroleum Engineers (SPE).
14. Judge, SPE Reservoir Description & Dynamics Award Subcommittee, 2024-2027. Society of Petroleum Engineers (SPE).
15. Judge, SPE Giovanni Paccaloni Young Professional Service Award Subcommittee, 2024-2027. Society of Petroleum Engineers (SPE).
16. Judge, SPE Carll, Lucas & Uren Award Subcommittee, 2023-2026. Society of Petroleum Engineers (SPE).

17. Judge, SPE Student Chapter Award Judging, 2025-Present. Society of Petroleum Engineers (SPE).
18. Committee Member, SPE 27ATCE Program Committee Conference-Production and Operations Subcommittee, 2027-2030. Society of Petroleum Engineers (SPE).
19. Committee Member, SPE Permian Basin Energy Conference, 2026. Society of Petroleum Engineers (SPE).
20. Committee Member, SPE Annual Technical Conference and Exhibition (ATCE), 2023-Present. Society of Petroleum Engineers (SPE).

II. National Level

21. Program Evaluator, 2018-Present. Engineering Accreditation Commission (EAC), ABET (Accreditation Board for Engineering and Technology, Inc.) (2 duties in 2021 and in 2023).

III. University Level

22. Preliminary Screening Committee, 2024-2026. The Committee on the Academic Freedom, Responsibility and Tenure (CAFRT), Texas A&M University, College Station, TX.
23. The Undergraduate Academic Appeals Panel (UAAP), 2022-Present. Texas A&M University, College Station, TX.
24. The Committee on the Honor Council, 2021-Present. Texas A&M University, College Station, TX.

IV. College Level

25. Ocean Energy Safety Institute (OESI) 2.0, 2021-2026, Gain to Access Funding in the amount of 51,697,972 USD-Awarded, College of Engineering, College Station, TX.
26. ADVANCE Science Scholars, Mentoring Junior Female Faculty in College of Science, Texas A&M University, College Station, TX.

V. Departmental Level

27. ABET (Accreditation Board for Engineering and Technology, Inc.), 2019-Present. Petroleum Engineering Department, Texas A&M University, College Station, TX.

B. Completed Service (19 of them international)

I. International Level

28. Chair, SPE Carll, Lucas & Uren Award Subcommittee, 2026. Society of Petroleum Engineers (SPE).
29. Principal Associate Editor, 2021-2023. Fuel, Elsevier.

30. Associate Editor, 2014-2022. Journal of Petroleum Science and Engineering. Elsevier.
31. Associate Editor, 2019-2020. Energy Reports, Elsevier.
32. Guest Editor-in-Chief, 2021-2023. Special Issue, Carbon Capture, Utilization, and Storage (CCUS) at Scale, Fuel, Elsevier.
33. Managing Guest Editor-in-Chief, 2017, 2018, and 2019. The Thermal EOR Special Issue I, II, III (three special issues), Journal of Petroleum Science and Engineering, Elsevier.
34. Chair, 2022-2024. SPE International Cedric K Ferguson Subcommittee, Society of Petroleum Engineers (SPE).
35. Committee Member, 2016-2019. SPE Faculty Innovative Teaching Award Committee, Society of Petroleum Engineers (SPE).
36. Committee Member, 2026. SPE Awards & Recognition Committee, Society of Petroleum Engineers (SPE).
37. Committee Member, SPE International Cedric K Ferguson Subcommittee, 2021-2024. Society of Petroleum Engineers (SPE).
38. Committee Member, 2018-2023. SPE/IADC Middle East Drilling Technology Conference and Exhibition (MEDT), for three conferences, Society of Petroleum Engineers (SPE).
39. Committee Member, 2018-2022. SPE Annual Technical Conference and Exhibition (ATCE), Society of Petroleum Engineers (SPE).
40. Committee Member, 2018. SPE/EAGE Tar Mats & Heavy Oil Workshop, Society of Petroleum Engineers (SPE).
41. Committee Member, 2016-2020. SPE Heavy Oil Technical Conference, Society of Petroleum Engineers (SPE).
42. Committee Member, 2016-2017. SPE Latin America and Caribbean Heavy and Extra-Heavy Oil Conference, Society of Petroleum Engineers (SPE).
43. Committee Member, 2019-2022. Unconventional Resources Technology Conference, Society of Petroleum Engineers (SPE).
44. Committee Member, 2015-2012. The Thermal EOR International Workshop (5 different workshops; Russia, Azerbaijan, China, Colombia, and Turkey), "Thermal Methods for Enhanced Oil Recovery: Laboratory Testing, Simulation and Oilfields Applications".

- 45. Mentoring, 2013-2024. Society of Petroleum Engineers (SPE) Mentoring Program, Society of Petroleum Engineers (SPE).
- 46. Mentoring, Summer 2012. WITSON to encourage women's education in science and engineering, WITSON.

II. National Level

- 47. Mentoring, 2015-2016. Mentoring High School Teachers for grant proposal writing on combustion to encourage high school students' involvement in research and for a college degree, Combustion Institute, The Central States Section.

III. University Level

- 48. Advance Administrative Fellow, 2021-2022. College of Engineering, Texas A&M University, College Station, TX.
- 49. Committee Member, 2021-2024. The Committee on Academic Freedom, Responsibility and Tenure (CAFRT). Texas A&M University, College Station, TX.
- 50. Committee Member, The 2023 Goldwater selection committee, November 2022. Texas A&M University, College Station, TX.
- 51. Committee Member, 2020. Hybrid Teaching & Learning Design Team, Center for Teaching Excellence, Texas A&M University, College Station, TX.
- 52. Mentoring, 2018. Women Faculty Network (WFN) Faculty Mentoring Program, Texas A&M University, College Station, TX.
- 53. Mentoring, 2015-2016. The Academy of Future Faculty (AFF), Texas A&M University, College Station, TX.

IV. College Level

- 54. Committee Member, 2020. Multidisciplinary Engineering (MTDE) Faculty Steering Committee, College of Engineering, Texas A&M University, College Station, TX.
- 55. Mentoring, 2015-2020. Women in Engineering (WE), College of Engineering, College Station, TX.
- 56. Coordinator, 2016-2017. Honors Program, College of Engineering, Texas A&M University, College Station, TX.
- 57. Vice Chair, 2018-2021. Engineering Faculty Advisory Council (EFAC), College of Engineering, Texas A&M University, College Station, TX.
- 58. Chair, 2015-2017. Junior Engineering Faculty Advisory Council (JEFAC), College of Engineering, Texas A&M University, College Station, TX.

V. Departmental Level

- 59. Reviewer for the student paper contest of Technical Exhibition & Networking Event (TENE), 28 March 2026, Texas A&M University, College Station, TX.
- 60. Committee Member, 2019-2024. Graduate Studies Committee, Petroleum Engineering Department, Texas A&M University, College Station, TX.
- 61. Committee Member, 2016-2020. Undergraduate Curriculum Committee, Petroleum Engineering Department, Texas A&M University, College Station, TX.
- 62. Committee Member, 2014-2016. Undergraduate Scholarship Committee, Petroleum Engineering Department, Texas A&M University, College Station, TX.

OTHER

Professional Development Activities (CEU stands for Continuing Education Unit) (~ 70.2 CEU in Career total)

1. April 2026, Successful Conflict Conversation, 6 CEU, Faculty Affairs, Texas A&M University, College Station, TX.
2. Jan. 2024, Soar with Canvas, 1.5 CEU, Texas A&M University, College Station, TX.
3. Jan. 2024, Launch with Canvas, 1.5 CEU, Texas A&M University, College Station, TX.
4. Jan. 2024, Facilitating Learning: An Introduction to the 5 Families of Teaching Strategies, 1.5 CEU, Texas A&M University, College Station, TX.
5. June 2023, Dignity in Action: Classroom Culture and Aggie Core Values, 2 CEU, Texas A&M University, College Station, TX.
6. Mar. 2022, Executive Leadership Certificate (16 weeks), 6.4 CEUs, Cornell University, NY.
7. Jan. 2022, Diversity and Inclusion Certificate (8 weeks), 3.2 CEUs, Cornell University, NY.
8. Oct. 2021, Women in Leadership Certificate (10 weeks), 4.0 CEUs, Cornell University, NY.
9. Sept.2021-May 2022, Leadership Academy (2 semesters), 3.0 CEUs, Texas A&M University, College Station, TX.
10. July 13, 2022, Graduate Mentoring Academy (GMA) - Facilitator Training, 0.2 CEUs, Texas A&M University, College Station, TX.
11. June 20, 2022, Capstone: Mentoring Philosophy and Plan (after the completion of all 6 competencies), 0.2 CEUs, Texas A&M University, College Station, TX.
12. Mar.3, 2022, Competency 6: Promoting Professional Development (PPD) in Mentoring, 0.2 CEUs, Center for Teaching Excellence, Faculty and Graduate Mentoring Academy (FMA and GMA), Texas A&M University College Station, TX.
13. April 11, 2022, Competency 5: Fostering Independence in Mentoring (FI), 0.2 CEUs, Center for Teaching Excellence, Faculty and Graduate Mentoring Academy (FMA and GMA), Texas A&M University College Station, TX.
14. Oct. 6, 2021, Competency 1: Maintaining Effective Communication in Mentoring (MEC), 0.2 CEUs, Center for Teaching Excellence, Faculty and Graduate Mentoring Academy (FMA and GMA), Texas A&M University College Station, TX.
15. July 13, 2021, Competency 3: Assessing Understanding in Mentoring (AU), 0.2 CEUs, Center for Teaching Excellence, Faculty and Graduate Mentoring Academy (FMA and GMA), Texas A&M University College Station, TX.
16. July 8, 2021, Competency 4: Addressing Equity and Inclusion in Mentoring (AEI), 0.2 CEUs, Center for Teaching Excellence, Faculty and Graduate Mentoring Academy (FMA and GMA), Texas A&M University College Station, TX.
17. June 28, 2021, Competency 2: Aligning Expectations in Mentoring (AE), 0.2 CEUs, Center for Teaching Excellence, Faculty and Graduate Mentoring Academy (FMA and GMA), Texas A&M University College Station, TX.
18. May 19, 2021, ADVANCE-STRIDE (The Strategies and Tactics for Recruiting to Improve Diversity and Excellence), 0.2 CEUs, Texas A&M University College Station, TX.

19. November 12, 2019, WE: What's My Bias? Understanding the Impact of Internalized Messages, 0.2 CEUs, Women in Engineering- Fall 2019 Faculty Focus, Texas A&M University College Station, TX.
20. May1-2, 2019, Transformational Teaching and Learning Conference "Active and Inclusive Engagement", 1 CEUs, Texas A&M University College Station, TX.
21. April 18, 2019, Articulating the Value of Diversity in Our Courses and Disciplines, 0.2 CEUs, Center for Teaching Excellence, Texas A&M University College Station, TX.
22. March 26, 2019, Visionary Women: Champions of Peace & Nonviolence, 2019 Women's Research on Women, 0.5 CEUs, Education & Human Development, Education Leadership Research Center, Texas A&M University College Station, TX.
23. March 19, 2019, Digital Playgrounds as Learning Spaces: Leveraging Digital Games and Gaming Approaches for Engagement, 0.2 CEUs, Center for Teaching Excellence, Texas A&M University College Station, TX.
24. March 20, 2019, Suicide Prevention Gatekeeper Training, QPR (Question Persuade Refer), 0.2 CEUs, Student Counseling Service, Division of Student Affairs, Texas A&M University College Station, TX.
25. March 6, 2019, Aggie Disability Awareness Workshop, 0.2 CEUs, Education & Human Development, Texas A&M University College Station, TX.
26. February 26, 2019, Practice, Practice, Practice: Designing Meaningful In-Class Learning Experiences for Students, 0.2 CEUs, Center for Teaching Excellence, Texas A&M University College Station, TX.
27. February 20, 2019, Practice, Practice, Practice: Promoting Classroom Climate: Laying the Social Groundwork for Better Learning, 0.2 CEUs, Center for Teaching Excellence, Texas A&M University College Station, TX.
28. June 2-3, 2018, Program Evaluator Candidate Training, 1 CEUs, ABET (Accreditation Board for Engineering and Technology, Inc.), Baltimore, Maryland.
29. October 17, 2017, Creating Inclusive Classrooms for LGBTQ+ Students, 0.2 CEUs, Center for Teaching Excellence, Texas A&M University College Station, TX.
30. April 18, 2017, Faculty Feedback – It Matters What you Say, 0.2 CEUs, Women in Engineering (WE) Program-Faculty Focus, Texas A&M University College Station, TX.
31. March 23, 2017, Increasing Diversity within YOUR Faculty Pool, 0.2 CEUs, Women in Engineering (WE) Program-Faculty Focus, Texas A&M University College Station, TX.
32. February 2, 2017, Discussing Growth Mindset, 0.2 CEUs, Women in Engineering (WE) Program-Faculty Focus, Texas A&M University College Station, TX.
33. November 29, 2016, The Seventh Pedagogy Project, 0.2 CEUs, Supporting Transformational Learning, Disciplines Related to Technology-Enabled and Distance Education Programs, Texas A&M University College Station, TX.
34. November 22, 2016, The Sixth Pedagogy Project, 0.2 CEUs, Course Format: Face-to-Face, City Supporting Transformational Learning, Disciplines Related to Graduate and Professional Programs, Texas A&M University College Station, TX.
35. October 27, 2016, The Second Pedagogy Project, 0.2 CEUs, Supporting Transformational Learning, Disciplines Related to Mathematics and the Physical and Earth Sciences, Texas A&M University College Station, TX.

36. August 4, 2015, FIT A Basic Guide to Digital Multimedia Production for Teaching and Learning 8-4, 0.2 CEUs, Center for Teaching Excellence, Texas A&M University College Station, TX.
37. July 9, 2015, Working with Students with Disabilities 7-9, 0.2 CEUs, Center for Teaching Excellence, Texas A&M University College Station, TX.
38. June 25, 2015, Lecture Well 6-25, 0.2 CEUs, Center for Teaching Excellence, Texas A&M University College Station, TX.
39. April 28, 2015, Course Design Series Session III 4/28, 0.2 CEUs, Center for Teaching Excellence, Texas A&M University College Station, TX.
40. April 23, 2015, Diversity & Global Learning 4/23, 0.2 CEUs, Center for Teaching Excellence, Texas A&M University College Station, TX.
41. April 21, 2015, Course Design Series Session II 4/21, 0.2 CEUs, Center for Teaching Excellence, Texas A&M University College Station, TX.
42. April 14, 2015, Course Design Series Session I 4/14, 0.2 CEUs, Center for Teaching Excellence, Texas A&M University College Station, TX.
43. April 13, 2015, ADVANCE-STRIDE (The Strategies and Tactics for Recruiting to Improve Diversity and Excellence), 0.2 CEUs, Texas A&M University College Station, TX.
44. March 30-31, 2015, Roadmap for a Successful Academic Career Workshop, 10 CEUs, ADVANCE Center, Texas A&M University College Station, TX.
45. February 23, 2015, ADVANCE-STRIDE (The Strategies and Tactics for Recruiting to Improve Diversity and Excellence), 0.2 CEUs, Texas A&M University College Station, TX.
46. April 6-8, 2014, Attention Faculty in STEM Disciplines, 1 CEUs, CIRTL, Center for Teaching Excellence, and Office of Graduate and Professional Studies, Texas A&M University, College Station, TX.
47. March 31, 2014, Attention Faculty in STEM Disciplines, 0.5 CEUs, CIRTL, Center for Teaching Excellence, and Office of Graduate and Professional Studies, Texas A&M University, College Station, TX.
48. February 2013, Fair Use: Using Copyrighted Material in Your Thesis/Dissertation and Other Research Works - Copyright and Publishing Series, 0.2 CEUs, Texas A&M University, College Station, TX.
49. February 2013, Creative Commons Licenses: A Prerequisite for Publishing Your Research via Open Access, 0.2 CEUs, Texas A&M University, College Station, TX.
50. January 2013-May 2013, Kick Start Your Teaching – Effectiveness and Efficiency, 2 CEUs, Texas A&M University, College Station, TX.
51. December 2012, Writing with P.O.W.E.R! A Writing Productivity Program for New Faculty, 2 CEUs, Texas A&M University, College Station, TX.
52. March 2011, Petrel Reservoir Engineering, Schlumberger, 3 CEUs, Calgary, AB, CANADA, Alberta.
53. March 2011, Oil Field Manager (OFM) Fundamentals and Forecast Analysis, Schlumberger, 3 CEUs, Crawley, UK.
54. February 2011, Eclipse Thermal, Schlumberger, 5 CEUs, Abingdon, UK.
55. Summer 2006, European School of English, 12 CEUs, Paceville, Malta.
56. Summer 2006, International Summer School of Geothermal Exploration, 8 CEUs, Izmir, Turkey.