

Berna Hascakir

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Biography

Berna Hascakir is an accomplished Full Professor of Petroleum Engineering at Texas A&M University, renowned for her expertise and profound impact in the energy sector. With a focus on enhanced oil recovery, flow assurance, oil field water management, and treatment, Hascakir has established herself as a leading figure in petroleum engineering.

Throughout her career, Hascakir has secured a total of \$3 million in research funding, with an additional \$1,000,000 USD pending, demonstrating her ability to attract significant resources to support innovative research endeavors. Her groundbreaking work has resulted in the publication of around 50 peer-reviewed articles and 116 conference proceedings, underscoring her commitment to advancing knowledge in the field. Additionally, Hascakir holds two patents on flow assurance that have not only contributed to academic advancements but have also generated substantial revenue for the university.

As a mentor, Hascakir has supervised the successful graduation of 9 PhD, 17 MS, and 4 MEng students, while currently advising 2 Postdocs, 6 PhD, 2 MS, and 2 MEng students, highlighting her dedication to nurturing the next generation of petroleum engineers. In her role as an educator, Hascakir has taught a diverse range of undergraduate and graduate courses, impacting over 1,400 students for the last 12 years. Her teaching evaluations consistently surpass departmental averages, reflecting her exceptional ability to engage and inspire students.

Beyond academia, Hascakir serves as the distinguished editor-in-chief for prominent journals such as Petroleum Science and Technology and as the editor for Fuel, demonstrating her leadership and influence in shaping scholarly discourse. Moreover, her professional service extends to her status as a Distinguished Member of the Society of Petroleum Engineers and her involvement in organizing international workshops, further solidifying her reputation as a respected authority in the field.

Overall, Berna Hascakir's remarkable achievements and contributions to petroleum engineering exemplify excellence and innovation, making her a highly deserving candidate for recognition in the industry.

Degrees

2008-2010 (20 months)	Postdoc, Energy Resources Engineering, Stanford University, Stanford, California, USA.
2008	Ph.D., Petroleum and Natural Gas Engineering, Middle East Technical University, Ankara, Turkey
2007-2008 (6 months)	Visiting PhD Student, Petroleum Engineering, University of Alberta, Edmonton, Alberta, Canada
2003	M.Sc. Environmental Technologies, Dokuz Eylul University, Izmir, Turkey
2001	B.Sc., Environmental Engineering, Dokuz Eylul University, Izmir, Turkey

Texas A&M - Rank and Promotion History

Effective Date of Rank	End Date of Rank	Faculty Title	Tenure Classification	Department	College
9/1/2024	Ongoing	Professor	Tenured	Petroleum Engineering	Engineering
9/1/2018	8/31/2024	Associate Professor	Tenured	Petroleum Engineering	Engineering
04/23/2012	8/31/2018	Assistant Professor	Tenure-Track	Petroleum Engineering	Engineering

Career Work Experience

September 2024 – Ongoing	Professor, Texas A&M University, Department of Petroleum Engineering, College Station, Texas, United States
2022 – Ongoing	Graduate Mentoring Academy Fellow, College Station, Texas, United States
2023 – 2024	Master Facilitator Graduate Mentoring Academy, College Station, Texas, United States
2018 – August 31, 2024	Associate Professor, Texas A&M University, Department of Petroleum Engineering, College Station, Texas, United States
2021 – 2022	ADVANCE Administrative Fellow, College Station, Texas, United States
April 2012 – August 2018	Assistant Professor, Texas A&M University, Department of Petroleum Engineering, College Station, Texas, United States
2011 – 2012	Senior Heavy Oil Reservoir Engineer, Schlumberger PCE, Bogota, Colombia

2011 – 2011 Consultant on Thermal EOR Methods, Pacific Rubiales Energy, Bogota, Colombia

2011 – 2011 Reservoir Simulation Engineer, Schlumberger AbTc, Abingdon, UK

2010 – 2011 Reservoir Simulation Engineer, Schlumberger PTT, Puerto La Cruz, Venezuela

2008 – 2010 Postdoctoral Researcher, Stanford University, Energy Resources Eng. Department, Stanford, CA, USA

2008 – 2008 Research and Teaching Assistant, Graduate School of Natural and Applied Sciences, Inonu University, Malatya, TURKEY

2004 – 2008 Research and Teaching Assistant, Petroleum and Natural Gas Engineering Department, Middle East Technical University, Ankara, TURKEY

2005 – 2007 Project Assistant, Supported by BAP (Scientific Research Projects) and TÜBİTAK (The Scientific & Technological Research Council of Turkey), METU, Ankara, TURKEY

2003 – 2003 Environmental Engineer, Harmandali Waste Disposal Site, Izmir, TURKEY

Summer 2002 Intern, Kaplamin Corrugated Packaging Industry, Izmir, Turkey

2001 – 2003 Project Assistant, Center for Environmental Research and Development, Dokuz Eylul University (ÇEVMER), Izmir, TURKEY

2001 – 2003 Computer Instructor, Altin Computer Course, Izmir, TURKEY and Mimar Kemalettin Elementary School, Izmir, TURKEY

Summer 2000 Intern, Ministry of Environment, Antalya, Turkey

Summer 1998 Intern, Field practice on Topography. Izmir, Turkey

Texas A&M - Administrative Appointments

Start Date of Appointment	End Date of Appointment	Position Title	Department, Unit	Roles and-or Responsibilities
September 2021	May 2022	ADVANCE Administrative Fellow	ADVANCE, Texas A&M University	Maintaining coordination between Main and Qatar Campus

University Endowed Positions

Start Date of Appointment	End Date of Appointment	Name of Endowed Title
January 2019	Ongoing	Flotek Industries, Inc. Career Development Professor
November 2015	October 2018	Stephen A. Holditch Faculty Fellow

Awards and Honors

Year Conferred	Award and Honor Title	Conferring Organization	Award Classification	Award and Honor Level	Detailed Description of Award
2024	Regional 2024 SPE Health, Safety and Environment	Society of Petroleum Engineers (SPE), SPE Gulf Coast North America Region.	Safety Award	National Level	
2022	ADVANCE Diversity Champion Recognition	Texas A&M University	Service Award	University Level	Designed to identify and celebrate individuals who are making <i>meaningful contributions to diversity and inclusion efforts at Texas A&M</i>
2022	2021 The EOR Women	IEA EOR TCP (International Energy Agency- Enhanced Oil Recovery-Technology Collaboration Program)	Research Award	International	Recognize females working on the enhanced oil recovery methods
2022	David Dunlap '83 Faculty Award for Excellence in Service	Texas A&M University, Petroleum engineering department	Service Award	Departmental Level	Due to my ADVANCE Administrative Fellow Appointment or Due to my editor-in-chief position (the reason was not enclosed to me officially)
2018	Distinguished Member	Society of Petroleum Engineers (SPE)	Service Award	International	I am the first assistant professor in PE department who received this award
2015	SPE Innovative Teaching Award	Society of Petroleum Engineers (SPE)	Teaching Award	International	Recognition of my teaching effective techniques internationally (I am the only faculty member in PE department who received this award)
2014	Top 10 Associate Editors	Journal of Petroleum Science and Engineering, Elsevier	Service Award	International	To recognize my efforts as an Associate Editor
2014	SPE Junior Faculty Research Grant	Society of Petroleum Engineers (SPE)	Research Award	International	Outstanding Research
2008	Stanford University	Postdoctoral Scholarship	Scholarship	International	Outstanding Research
2007	The Scientific & Technological Research Council of Turkey	Visiting Researcher Grant for 6 months	Scholarship	International	Outstanding Research

Teaching (EO: Enrollment period is still open) Total: 1,588 Students in 12 years.

Course Title	Course	Credit Hours	Instruction Mode	Student Credit Hours	Enrollment	If co-taught, % contributed to course	Semester	Multidisciplinary Collaboration Activities Included
Directed Study	PETE 685	3	Face-to-Face		2	100	Fall 2024	N
Research	PETE 691		Face-to-Face		6	100	Fall 2024	Y
Transport Processes in Petroleum Production	PETE 314	3	Face-to-Face		86	100	Fall 2024	N
Research	PETE 691		Face-to-Face		6	100	Summer 2024	Y
Research	PETE 691		Face-to-Face		6	100	Spring 2024	Y
Transport Processes in Petroleum Production	PETE 314	3	Face-to-Face		23	100	Spring 2024	N
Research	PETE 691		Face-to-Face		5	100	Fall 2023	Y
Research	PETE 491	4	Face-to-Face		1	100	Fall 2023	Y
Transport Processes in Petroleum Production	PETE 314	3	Face-to-Face		69	100	Fall 2023	N
Research	PETE 691		Face-to-Face		5	100	Summer 2023	N
Research	ITDE 691	3	Face-to-Face		1	100	Spring 2023	Y
Research	PETE 691	24	Face-to-Face		2	100	Spring 2023	N
Directed Study	PETE 685	4/3	Face-to-Face	7	2	100	Spring 2023	N
Transport Processes in Petroleum Production	PETE 314	3	Face-to-Face	30	21	100	Spring 2023	N
Research	ITDE 691	5	Face-to-Face		1	100	Fall 2022	Y
Research	PETE 691	9	Face-to-Face		2	100	Fall 2022	N
Transport Processes in Petroleum Production	PETE 314	3	Face-to-Face	30	69	100	Fall 2022	N
Research	PETE 691	6	Face-to-Face		1	100	Summer 2022	N
CO ₂ Sequestration	ICPE 614	1.5	Online		21	100	Summer 2022	Y
Research	PETE 691	12	Face-to-Face		3	100	Spring 2022	N
Directed Study	PETE 685	4	Face-to-Face		1	100	Spring 2022	N
EOR Processes	PETE 609	3	Face-to-Face		0	100	Spring 2022	N
Enhanced Oil Recovery	PETE 409	3	Face-to-Face		0	100	Spring 2022	N
Research	PETE 691	18	Online		2	100	Fall 2021	N
Research	PETE 691	12	Online		2	100	Summer 2021	N
CO ₂ Sequestration	ICPE 614	1.5	Online		39	100	Summer 2021	Y
Research	PETE 691	21	Online		4	100	Spring 2021	N
Transport Processes in Petroleum Production	PETE 314	3	Online		34	100	Spring 2021	N
Directed Study	PETE 685	4	Online		1	100	Fall 2020	N
Research	PETE 691	20	Online		4	100	Fall 2020	N
Transport Processes in Petroleum Production	PETE 314	3	Online		71	100	Fall 2020	N
Research	PETE 691	3	Online		1	100	Summer 2020	N
EOR Methods	PETE 609	3	Online		7	100	Summer 2020	N

EOR Methods	PETE 409	3	Online		2	100	Summer 2020	N
CO ₂ Sequestration	ICPE 614	1.5	Online		13	100	Summer 2020	Y
Directed Study	PETE 685	4	Face-to-Face		2	100	Spring 2020	N
Research	PETE 691	12	Face-to-Face	12	2	100	Spring 2020	N
Research	PETE 691	18	Face-to-Face	18	3	100	Fall 2019	N
Research	ITDE 691	1	Face-to-Face		1	100	Fall 2019	Y
Undergraduate Research	PETE 491	4	Face-to-Face		2	100	Fall 2019	Y
Transport Processes in Petroleum Production	PETE 314	3	Face-to-Face		69	100	Fall 2019	N
Research	PETE 691	16	Face-to-Face	16	4	100	Summer 2019	N
Research	PETE 491	4	Face-to-Face		2	100	Summer 2019	N
EOR Methods	PETE 609	3	Face-to-Face		9	100	Summer 2019	N
EOR Methods	PETE 409	3	Face-to-Face		8	100	Summer 2019	N
Professional Study	PETE 692	3	Face-to-Face		1	100	Spring 2019	N
Research	PETE 691	25	Face-to-Face	25	4	100	Spring 2019	N
Directed Study	PETE 685	4	Face-to-Face		1	100	Spring 2019	N
Transport Processes in Petroleum Production	PETE 314	3	Face-to-Face		55	100	Spring 2019	N
Research	PETE 691	28	Face-to-Face	28	4	100	Fall 2018	N
Directed Study	PETE 685	4	Face-to-Face		1	100	Fall 2018	N
EOR Methods	PETE 609	3	Face-to-Face		0	100	Fall 2018	N
Research	PETE 691	18	Face-to-Face	18	4	100	Summer 2018	N
Research	PETE 691	29	Face-to-Face	29	4	100	Spring 2018	N
Directed Study	PETE 685	4	Face-to-Face		1	100	Spring 2018	N
Professional Study	PETE 692	3	Face-to-Face		1	100	Fall 2017	N
Research	PETE 691	22	Face-to-Face	22	4	100	Fall 2017	N
Honor Research	PETE 491	3	Face-to-Face		1	100	Fall 2017	N
Reservoir Fluids	PETE 310	3+1	Face-to-Face		63	100	Fall 2017	N
Research	PETE 691	7	Face-to-Face	7	2	100	Fall 2016	N
Special Topics; Thermal EOR	PETE 489	3	Face-to-Face		4	100	Summer 2017	N
EOR Methods-Thermal Processes	PETE 606	3	Face-to-Face		26	100	Summer 2017	N
Research	PETE 691	50	Face-to-Face	50	6	100	Spring 2017	N
Special Topics; EOR Methods	PETE 489	3	Face-to-Face		11	100	Spring 2017	N
EOR Methods	PETE 609	3	Face-to-Face		15	100	Spring 2017	N
Research	PETE 691	51	Face-to-Face	51	5	100	Fall 2016	N
Reservoir Fluids	PETE 310	3+1	Face-to-Face		80	100	Fall 2016	N
Research	PETE 691	16	Face-to-Face	16	5	100	Summer 2016	N
Special Topics; EOR Methods	PETE 489	3	Face-to-Face		7	100	Summer 2016	N
EOR Methods	PETE 609	3	Face-to-Face		40	100	Summer 2016	N
Research	PETE 691	28	Face-to-Face	28	7	100	Spring 2016	N
Directed Study	PETE 485	4	Face-to-Face		1	100	Spring 2016	N

Graduate Seminar	PETE 681	1	Face-to-Face		65	100	Spring 2016	N
Special Topics; Waterflooding	PETE 489	3	Face-to-Face		1	100	Spring 2016	N
Waterflooding	PETE 623	3	Face-to-Face		7	100	Spring 2016	N
Research	PETE 691	13	Face-to-Face	13	5	100	Fall 2015	N
Directed Study	PETE 685	3	Face-to-Face		4	100	Fall 2015	N
Directed Study	PETE 485	4	Face-to-Face		2	100	Fall 2015	N
Graduate Seminar	PETE 681	1	Face-to-Face		108	100	Fall 2015	N
Reservoir Fluids	PETE 310	3+1	Face-to-Face		94	100	Fall 2015	N
Research	PETE 691	19	Face-to-Face	19	5	100	Fall 2014	N
Directed Study	PETE 485	4	Face-to-Face		2	100	Summer 2015	N
Waterflooding	PETE 623	3	Face-to-Face		25	100	Summer 2015	N
Research	PETE 691	14	Face-to-Face	14	3	100	Spring 2015	N
Special Topics: EOR Methods	PETE 489	3	Face-to-Face		19	100	Spring 2015	N
EOR Methods	PETE 609	3	Face-to-Face		28	100	Spring 2015	N
Research	PETE 691	5	Face-to-Face	5	2	100	Fall 2014	N
Reservoir Fluids	PETE 310	3+1	Face-to-Face		38	100	Fall 2014	N
Research	PETE 691	9	Face-to-Face	9	2	100	Summer 2014	N
EOR Processes	PETE 609	3	Face-to-Face		33	100	Summer 2014	N
Professional Study	PETE 692	6	Face-to-Face		1	100	Spring 2014	N
Research	PETE 691	17	Face-to-Face	17	3	100	Spring 2014	N
Directed Study	PETE 485	3	Face-to-Face		1	100	Spring 2014	N
Reservoir Fluids	PETE 310	3+1	Face-to-Face		56	100	Spring 2014	N
Research	PETE 691	19	Face-to-Face	19	5	100	Fall 2013	N
Directed Study	PETE 685	3	Face-to-Face		1	100	Fall 2013	N
EOR Methods-Thermal	PETE 606	3	Face-to-Face		19	100	Fall 2013	N
Professional Internship	PETE 684	1	Online			100	Summer 2013	N
Research	PETE 691	21	Face-to-Face	21	6	100	Spring 2013	N
Directed Study	PETE 685	3	Face-to-Face	12	4	100	Spring 2013	N
Reservoir Fluids	PETE 310	3+1	Face-to-Face		58	100	Spring 2013	N
EOR Methods-Thermal	PETE 606	3	Face-to-Face		23	100	Fall 2012	N

I was hired in April 2012 and did not teach during the Summer of 2012. In Spring 2018 and Spring 2020, I did not teach due to my post-pregnancy leave. There were no enrollments in PETE 609 for Fall 2018, so the course was not taught. In Fall 2021, I did not teach due to an administrative appointment. PETE 314 was not assigned to me in Spring 2022, and there were no enrollments in PETE 609/409 during that semester.

Additional Teaching Activities (EO: Enrollment period is still open; GMA: Graduate Mentoring Academy; FMA: Faculty Mentoring Academy)

Title	Audience	Location Instruction Delivered	Sponsoring Organization	Number of Participants	Start Date	End Date	Method of Delivery	Other Teaching Role	Student Collaborators	Teaching Innovation and Curriculum Development Type	Teaching Level
Aligning Expectations in Mentoring (AE)	Graduate Students, Faculty Members, Staff Members	College Station	Graduate Academy Fellow, Center for Teaching Excellence (GMA)	20	Nov. 29, 2023	Nov. 29, 2023	Online	Master Facilitator	Yes	New Course	Short Course
Supporting Well-Being in Mentoring (Previously AEI)	Graduate Students, Faculty Members, Staff Members	College Station	Graduate Academy Fellow, Center for Teaching Excellence	34	Nov. 15, 2023	Nov. 15, 2023	Online	Master Facilitator	Yes	New Course	Short Course
Promoting Professional Development (PPD) in Mentoring	Graduate Students, Faculty Members, Staff Members	College Station	Graduate Academy Fellow, Center for Teaching Excellence (GMA)	34	Nov. 8, 2023	Nov. 8, 2023	Online	Master Facilitator	Yes	New Course	Short Course
Maintaining Effective Communication (MEC) in Mentoring	Graduate Students, Faculty Members, Staff Members	College Station	Graduate Academy Fellow, Center for Teaching Excellence	8	Nov. 2, 2023	Nov. 2, 2023	F2F	Master Facilitator	Yes	New Course	Short Course
Fostering Independence in Mentoring (FI)	Graduate Students, Faculty Members, Staff Members	College Station	Graduate Academy Fellow, Center for Teaching Excellence	8	Oct. 12, 2023	Oct. 12, 2023	F2F	Master Facilitator	Yes	New Course	Short Course
Aligning Expectations in Mentoring (AE)	Graduate Students, Faculty Members, Staff Members	College Station	Graduate Academy Fellow, Center for Teaching Excellence (FMA)	3	Oct. 11, 2023	Oct. 11, 2023	Online	Instructor / Facilitator	Yes	New Course	Short Course

Assessing Understanding (AU) in mentoring	Graduate Students, Faculty Members, Staff Members	College Station	Graduate Academy Fellow, Center for Teaching Excellence	17	Sep. 18, 2023	Sep. 18, 2023	Online	Master Facilitator	Yes	New Course	Short Course
Assessing Understanding (AU) in mentoring	Graduate Students, Faculty Members, Staff Members	College Station	Graduate Academy Fellow, Center for Teaching Excellence	13	Jul. 17, 2023	Jul. 17, 2023	Online	Instructor / Facilitator	Yes	New Course	Short Course
Supporting Well-Being in Mentoring (Previously AEI)	Graduate Students, Faculty Members, Staff Members	College Station	Graduate Academy Fellow, Center for Teaching Excellence	10	Jul. 11, 2023	Jul. 11, 2023	Online	Instructor / Facilitator	Yes	New Course	Short Course
Maintaining Effective Communication (MEC) in Mentoring	Graduate Students, Faculty Members, Staff Members	College Station	Graduate Academy Fellow, Center for Teaching Excellence	18	Jul. 10, 2023	Jul. 10, 2023	Online	Instructor / Facilitator	Yes	New Course	Short Course
Promoting Professional Development (PPD) in Mentoring	Graduate Students, Faculty Members, Staff Members	College Station	Graduate Academy Fellow, Center for Teaching Excellence (GMA)	15	Jun. 26, 2023	Jun. 26, 2023	Online	Instructor / Facilitator	Yes	New Course	Short Course
Promoting Professional Development (PPD) in Mentoring	Graduate Students, Faculty Members, Staff Members	College Station	Graduate Academy Fellow, Center for Teaching Excellence (FMA)	4	Jun. 22, 2023	Jun. 22, 2023	Online	Instructor / Facilitator	Yes	New Course	Short Course
Assessing Understanding (AU) in mentoring	Graduate Students, Faculty Members, Staff Members	College Station	Graduate Academy Fellow, Center for Teaching Excellence	17	Jun. 21, 2023	Jun. 21, 2023	Online	Instructor / Facilitator	Yes	New Course	Short Course
Fostering Independence in Mentoring (FI)	Graduate Students, Faculty Members,	College Station	Graduate Academy Fellow, Center	13	Apr. 12, 2023	Apr. 12, 2023	Online	Instructor / Facilitator	Yes	New Course	Short Course

	Staff Members		for Teaching Excellence								
Aligning Expectations in Mentoring (AE)	Graduate Students, Faculty Members, Staff Members	College Station	Graduate Academy Fellow, Center for Teaching Excellence	32	Apr. 10, 2023	Apr.10,2023	Online	Instructor / Facilitator	Yes	New Course	Short Course
Addressing Equity and Inclusion, Attendance (AEI)	Graduate Students, Faculty Members, Staff Members	College Station	Graduate Academy Fellow, Center for Teaching Excellence	24	Dec. 22, 2022	Dec. 22, 2022	Online	Instructor / Facilitator	Yes	New Course	Short Course
PETE 342 – Petroleum Reservoir Engineering I	Undergraduate Students	Ankara, Turkey	Middle East Technical University	~40	Jan. 2007	June 2007	Face-to-Face	Teaching Assistant	No	Existing Course	Teaching Laboratory sessions, giving recitation
PETE 211 – Introduction to Fluid Mechanics	Undergraduate Students	Ankara, Turkey	Middle East Technical University	~40	Aug. 2006	Dec. 2006	Face-to-Face	Teaching Assistant	No	Existing Course	Teaching Laboratory sessions, giving recitation
PETE 342 – Petroleum Reservoir Engineering I	Undergraduate Students	Ankara, Turkey	Middle East Technical University	~40	Aug. 2005	Dec. 2005	Face-to-Face	Teaching Assistant	No	Existing Course	Teaching Laboratory sessions, giving recitation
PETE 441 – Petroleum Reservoir Engineering II	Undergraduate Students	Ankara, Turkey	Middle East Technical University	~40	Aug. 2005	Dec.2005	Face-to-Face	Teaching Assistant	No	Existing Course	Teaching Laboratory sessions, giving recitation
PETE 216 – Reservoir Rock & Fluid Properties	Undergraduate Students	Ankara, Turkey	Middle East Technical University	~40	Jan. 2005	June 2005	Face-to-Face	Teaching Assistant	No	Existing Course	Teaching Laboratory sessions, giving recitation
ES 202 – Mathematics for Engineers	Undergraduate Students	Ankara, Turkey	Middle East Technical University	~40	Aug. 2004	Dec. 2004	Face-to-Face	Teaching Assistant	No	Existing Course	Teaching Laboratory sessions, giving recitation

PETE 110 – Introduction to Petroleum Engineering	Undergraduate Students	Ankara, Turkey	Middle East Technical University	~40	Jan. 2004	June 2004	Face-to-Face	Teaching Assistant	No	Existing Course	Teaching Laboratory sessions, giving recitation
Computer	Primary and Secondary School Students	Izmir, Turkey	Mimar Kemalettin Elementary School	~500	Jan. 2003	June 2003	Face-to-Face	Instructor	No	New Course	Full Course
Computer	Primary and Secondary School Students	Izmir, Turkey	Mimar Kemalettin Elementary School	~500	Aug. 2002	Dec. 2002	Face-to-Face	Instructor	No	New Course	Full Course
Computer	Primary and Secondary School Students	Izmir, Turkey	Mimar Kemalettin Elementary School	~500	Jan. 2002	June 2002	Face-to-Face	Instructor	No	New Course	Full Course
Computer	Preschool, Primary school, and secondary school students	Izmir, Turkey	Altin Computer Course	~200	Aug. 2001	Dec. 2001	Face-to-Face	Instructor	No	New Course	Full Course

Undergraduate Advising (**Continuing: 4; Completed: 36**) (*: sponsored, **: Supported by Dr. Hascakir's research fund)

Graduate Advising (**Continuing: 6 PhD, 2 MS, and 2 MEng; Graduated: 9 PhD, 17 MS, and 3 MEng**)

Member: **18 PhD (3 outside department at A&M and 6 international/outside A&M), 15 MS (6 outside department at A&M and 2 international/outside A&M), 2 MEng**

Professional Students/Interns/Residencies Advising (**Continuing: 0; Completed: 20 BS**)

Faculty Mentoring (nonstudents) (**Total 5**)

Publications, Conference Proceedings, Patents and Creative Products/Innovations

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](#)

Journal Article (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. Authorship: The first author is the most significant contributor, and the last author is the principal investigator.)**

Completed/Published (49 Published and 2 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, *Geoenergy Science and Engineering*, Under Review.
2. Coelho, R.** , **Hascakir, B.**, Pore-scale mechanisms of Carbon dioxide storage in high asphaltene content reservoirs: insights from core-flooding experiments, *International Journal of Greenhouse Gas Control*, Under Review.
3. Mathews, T.A.* , Azzu, P.* , **Hascakir, B.**, 2024. Unlocking Sustainable Solutions: Exploring Terpene-Based Green Solvents for Enhanced Heavy Oil Recovery, *Energy and Fuels*, Just Accepted.
4. 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](#)
5. 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](#)
6. 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](#)
7. Punase, A.* , Prakosa, A.* , **Hascakir, B.**, 2023. Effect of Clay Minerals on Asphaltene Deposition in Reservoir Rock: Insights from Experimental Investigations, *Fuel*, 351, 128835. [LINK](#)
8. 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](#).
9. 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](#).

10. 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](#)
11. 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](#)
12. 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](#)
13. Kar, T.* , **Hascakir, B.**, Effect of Clay Type on Emulsion Formation in Steam and Solvent-Steam Flooding, *SPE Journal*, SPE 205363-PA. [LINK](#)
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62. Punase, A.* , Prakoso, A.A.* , **Hascakir, B.**, The Polarity of Crude Oil Fractions Affects the Asphaltenes Stability, *SPE Western Regional Meeting*, 23-26 May 2016, Anchorage, Alaska, USA, SPE-180423-MS. [LINK](#)
63. Prakoso, A.A.* , Klock, K.** , Punase, A.* , Rogel, E. †, Ovalles, C. †, **Hascakir, B.**, Determination of the Stability of Asphaltenes through Physicochemical Characterization of Asphaltenes, *SPE Western Regional Meeting*, 23-26 May 2016, Anchorage, Alaska, USA, SPE-180422-MS. [LINK](#)
64. Punase, A.* , **Hascakir, B.**, The Role of Deasphalted Oil in the Stability of Asphaltenes, *2016 AIChE Spring Meeting & 12th Global Congress on Process Safety, 4th International Conference on Upstream Engineering and Flow Assurance*, 10-14 April 2016. Houston, Texas, USA.
65. Stape, P.* , Ovalles, C. †, **Hascakir, B.**, Pore Scale Displacement Mechanism of Bitumen Extraction with High Molecular Weight Hydrocarbon Solvents, *20th SPE Improved Oil Recovery Conference*, 9-13 April 2016, Tulsa, Oklahoma, USA, SPE-179608-MS. [LINK](#)
66. Morte, M.* , **Hascakir, B.**, Relative Permeability Estimation in Steam Assisted Gravity Drainage (SAGD) Using a Fractional Flow Model, *20th SPE Improved Oil Recovery Conference*, 9-13 April 2016, Tulsa, Oklahoma, USA, SPE-179532-MS. [LINK](#)
67. Kar, T.* , **Hascakir, B.**, Effective Extraction of Green River Oil Shale via Combustion, *20th SPE Improved Oil Recovery Conference*, 9-13 April 2016, Tulsa, Oklahoma, USA, SPE-179610-MS. [LINK](#)
68. Banerjee, S.* , **Hascakir, B.**, Management of Steam Flashing in SAGD Completion Designs via the Implementation of Flow Control Devices, *SPE Thermal Well Integrity and Design Symposium*, 23-25 November 2015, Banff, Alberta, Canada, SPE-178459-MS. [LINK](#)
69. Coelho, R.S.C.* , **Hascakir, B.**, The Pore Scale Description of Carbon Dioxide Storage into High Asphaltene Content Reservoirs, *Carbon Management Technology Conference*, Sugar Land, Texas, USA, 17-19 November 2015, CMTC 439523. [LINK](#)

70. Coelho, R.S.C.* , Barrufet, M.† , **Hascakir, B.**, Effect of Impurities in Carbon Dioxide Stream on Phase Behavior for Geological Storage of Carbon Dioxide in Low API Gravity Oil Reservoirs, *Carbon Management Technology Conference*, Sugar Land, Texas, USA, 17-19 November 2015, CMTC 439524. [LINK](#)
71. Aleksandrov, D.* , Kudryavtsev, P.* , **Hascakir, B.**, Impact of Fracture Orientation on In-Situ Combustion Performance, *SPE Latin American and Caribbean Petroleum Engineering Conference*, 18-20 November 2015, Quito, ECUADOR, SPE-177063-MS. [LINK](#)
72. Prakoso, A.** , Punase, A.* , **Hascakir, B.**, A Mechanistic Understanding of Asphaltene Precipitation from Varying Saturate Concentration Perspective, *SPE Latin American and Caribbean Petroleum Engineering Conference*, 18-20 November 2015, Quito, ECUADOR, SPE-177280-MS. [LINK](#)
73. Kozlowski M.L.** , Punase, A.* , Nasr-El-Din, H.† , **Hascakir, B.**, The Catalytic Effect of Clay on In-Situ Combustion Performance, *SPE Latin American and Caribbean Petroleum Engineering Conference*, 18-20 November 2015, Quito, ECUADOR, SPE-177166-MS. [LINK](#)
74. Klock, K.** , **Hascakir, B.**, Simplified Reaction Kinetics Model for In-Situ Combustion, *SPE Latin American and Caribbean Petroleum Engineering Conference*, 18-20 November 2015, Quito, ECUADOR, SPE-177134-MS. [LINK](#)
75. Kar, T.* , Punase, A.* , **Hascakir, B.**, Investigation of Chemical Physical Properties of Oil Shales with Spectral and Thermal Methods, *The Sixth Annual Berg-Hughes Symposium*, 16 October 2015, Texas A&M University, College Station, Texas, USA (POSTER).
76. Kar, T.* , Kozlowski M.L.** , **Hascakir, B.**, Characterization of Kerogen for Green River Oil Shale, *The Sixth Annual Berg-Hughes Symposium*, 16 October 2015, Texas A&M University, College Station, Texas, USA. (POSTER).
77. **Hascakir, B.**, Real-Time Tracking of Fracture Propagation during Air Injection as an Alternative Fracturing Fluid, *SPE Eastern Regional Meeting*, 13-15 October 2015, Morgantown, West Virginia, USA, SPE-177303-MS. [LINK](#)
78. Ali, M.* , **Hascakir, B.**, Water-Rock Interaction for Eagle Ford, Marcellus, Green River, and Barnett Shale Samples, *SPE Eastern Regional Meeting*, 13-15 October 2015, Morgantown, West Virginia, USA, SPE-177304-MS. [LINK](#)
79. 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.

80. 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.
81. **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](#)
82. **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**
83. 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**
84. 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](#)
85. 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](#)
86. **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.
87. 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](#)
88. 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](#)
89. 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](#)

90. 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](#)
91. 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](#)
92. **Hascakir, B.**, Kovscek 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](#)
93. 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](#)
94. 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](#)
95. 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](#)
96. 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](#)
97. **Hascakir, B.**, Ross, C., Castanier, L. Kovscek, 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](#)
98. Glatz, G., **Hascakir, B.**, Clemens, T.†, Castanier, L., Kovscek, 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](#)
99. **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**
100. **Hascakir, B.**, Castanier, L., Kovscek, 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](#)

101. 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](#)
102. **Hascakir, B.**, Kavscek, 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](#)
103. **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](#)
104. **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](#)
105. 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.
106. 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.
107. **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).
108. **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.
109. **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.
110. **Hascakir, B.**, Dolgen, D.[†], Evaluation of Treatment Efficiencies of Kaolinite for Various Wastewater Samples, *Bridging Clays*, Ile d'Oléron, FRANCE, June 2006.
111. **Hascakir, B.**, Hydraulic Potential of Turkey, *3rd Aegean Energy Symposium*, Mugla, TURKEY, May 2006 (Turkish).

112. **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).
113. **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).
114. **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.
115. 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).
116. **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).

Service (1 Editor-in-chief positions- career total 4 Editor-in-chief positions; ADVANCE Administrative Fellow position, several editorial duties, Several Award Committee memberships, several conference committee memberships)

2024-2026	Committee Name/Activity: Academic Freedom, Responsibility, and Tenure (CAFRT)-Preliminary Screening Committee; Organization: Texas A&M University, Service Type: University Level Service, Service Role: Committee Member, Regionality: National-Internal University Service
2024-2025	Committee Name/Activity: SPE Education and Accreditation Committee; Organization: The Society of Petroleum Engineering (SPE), Service Type: Committee Member- Reviewing/Editing Petroleum Engineering Departments Curriculum for ABET evaluation , Service Role: Advising the ABET, Regionality: International
2024-2025	Committee Name/Activity: SPE Awards and Recognition Committee (A&RC); Organization: The Society of Petroleum Engineering (SPE), Service Type: Committee Member- Evaluation of the Award candidates , Service Role: Advising the SPE Board of Directors on matters pertaining to member recognition through international and regional awards, Regionality: International
2025-2028	Committee Name/Activity: The International Giovanni Paccaloni Young Professional Service Award Subcommittee; Organization: The Society of Petroleum Engineering (SPE), Service Type: Committee Member- Evaluation of the Award candidates , Service Role: Judge, Regionality: International

2025-2028	Committee Name/Activity: The International Reservoir Award Subcommittee; Organization: The Society of Petroleum Engineering (SPE), Service Type: Committee Member- Evaluation of the Award candidates , Service Role: Judge, Regionality: International
2024-2027	Committee Name/Activity: The SPE International Anthony F. Lucas Gold Medal Award Subcommittee Organization: The Society of Petroleum Engineering (SPE), Service Type: Committee Member- Evaluation of the Award candidates , Service Role: Judge, Regionality: International
2024-2027	Committee Name/Activity: The SPE International John Franklin Carll Award Subcommittee Organization: The Society of Petroleum Engineering (SPE), Service Type: Committee Member- Evaluation of the Award candidates , Service Role: Judge, Regionality: International
2024-2027	Committee Name/Activity: The SPE International Lester C. Uren Award Subcommittee Organization: The Society of Petroleum Engineering (SPE), Service Type: Committee Member- Evaluation of the Award candidates , Service Role: Judge, Regionality: International
2023-Present	Committee Name/Activity: Taylor & Francis Editorial Advisory Board (EAB), Organization: Taylor and Francis Group, LLC, Service Type: Editorial Advisory Board, Service Role: Member , Regionality: International LINK
2023-Present	Committee Name/Activity: Energies, Topical Advisory Panel for section H1: Petroleum Engineering Section, Organization: MDPI Journals, Service Type: Panel, Service Role: Member , Regionality: International
2023-Present	Committee Name/Activity: Master Facilitator Graduate Mentoring Academy, Organization: Texas A&M University, Service Type: University , Service Role: Member, Regionality: Local
2023-Present	Committee Name/Activity: The SPE Annual Technical Conference and Exhibition (ATCE) Committee, Organization: The Society of Petroleum Engineering (SPE), Service Type: Evaluation of the submitted abstracts , Service Role: Member, Regionality: International
2023- Present	Committee Name/Activity: Fuel, Organization: Elsevier, Service Type: Editorial, Service Role: Editor Regionality: International
February 2022-Present	Committee Name/Activity: Petroleum Science and Technology, Organization: Taylor and Francis Group, LLC, Service Type: Editorial, Service Role: Editor-in-chief , Regionality: International
December 2022-Present	Committee Name/Activity: The Undergraduate Academic Appeals Panel (UAAP), Organization: Texas A&M University, Service Type: University , Service Role: Member, Regionality: Local

November 2022-Present	Committee Name/Activity: The 2023 Goldwater selection committee, Organization: Texas A&M University, Service Type: University , Service Role: Member, Regionality: Local
2021-2024	Committee Name/Activity: The Committee on the Academic Freedom, Responsibility and Tenure (CAFRT), Organization: Texas A&M University, Service Type: University , Service Role: Member, Regionality: Local
2021-Present	Committee Name/Activity: The Committee on the Honor Council, Organization: Aggie Honor Office, Texas A&M University, Service Type: University , Service Role: Council Member, Regionality: Local
2021-Present	Committee Name/Activity: Ocean Energy Safety Institute (OESI) 2.0, 2021-2026, Organization: Bureau of Safety and Environmental Enforcement (DOI-BSEE), Service Type: University , Service Role: Gain to Access Funding in the amount of 51,697,972 USD-Awarded , Regionality: National
2019-Present	Committee Name/Activity: ABET (Accreditation Board for Engineering and Technology, Inc.), Organization: Texas A&M University, Petroleum Engineering Department, Service Type: Department, Service Role: Committee Member, Regionality: Local
2019-2024	Committee Name/Activity: Graduate Studies Committee, Organization: Texas A&M University, Petroleum Engineering Department, Service Type: Department , Service Role: Committee Member, Regionality: Local
2019-Present	Committee Name/Activity: ADVANCE Science Scholars, Mentoring Junior Female Faculty in College of Science, Organization: Texas A&M University, College of Engineering, Service Type: University , Service Role: Mentor, Regionality: Local
2018-Present	Committee Name/Activity: Engineering Accreditation Commission (EAC), Organization: ABET (Accreditation Board for Engineering and Technology, Inc.), Service Type: International , Service Role: Program Evaluator, Regionality: International (2 duties in 2021 and in 2023).
2015-Present	Committee Name/Activity: Women in Engineering (WE), Organization: Texas A&M University, Service Type: College, Service Role: Volunteer for Mentoring, Regionality: Local
2013-Present	Committee Name/Activity: Society of Petroleum Engineers (SPE) Mentoring Program, Organization: Society of Petroleum Engineers (SPE), Service Type: International, Service Role: Volunteer for Mentoring, Regionality: International
2022-2024	Committee Name/Activity: International Cedric K Ferguson Subcommittee, Organization: The Society of Petroleum Engineering (SPE), Service Type: International , Service Role: Chair, Regionality: International
October 2021-2024	Committee Name/Activity: International Cedric K Ferguson Subcommittee, Organization: The Society of Petroleum Engineering (SPE), Service Type: International , Service Role: Member, Regionality: International

December 2021-2023	Committee Name/Activity: The special issue "Carbon Capture, Utilization, and Storage (CCUS) at Scale" in Fuel, Organization: Elsevier, Service Type: Editorial, Service Role: Editor-in-chief , Regionality: International
August 2021-December 2023	Committee Name/Activity: Fuel, Organization: Elsevier, Service Type: Editorial, Service Role: Principal Associate Editor Regionality: International
2022-2023	Committee Name/Activity: The 2023 SPE/IADC Middle East Drilling Technology Conference and Exhibition (MEDT), Organization: The Society of Petroleum Engineering (SPE), Service Type: Evaluation of the submitted abstracts-433 Abstracts were reviewed , Service Role: Member, Regionality: International
2021-2022	Committee Name/Activity: Unconventional Resources Technology Conference, Organization: The Society of Petroleum Engineering (SPE), Service Type: Evaluation of the submitted abstracts , Service Role: Member, Regionality: International
2021-2022	Committee Name/Activity: Technical Program Committee for the 5th Thermal EOR International Workshop, "Thermal Methods for Enhanced Oil Recovery: Laboratory Testing, Simulation and Oilfields Applications", Organization: Thermal EOR International Workshop, Service Type: International , Service Role: Organizing Committee, Regionality: International
Summer 2021-Fall 2021	Committee Name/Activity: Hybrid Teaching & Learning Design Team, Organization: Center for Teaching Excellence, Texas A&M University, Service Type: University, Service Role: Team Member, Regionality: Local
2021-2022	Committee Name/Activity: Advance Administrative Fellow funded by College of Engineering, Organization: Texas A&M University, Service Type: University, Service Role: Fellow, Regionality: Local
2020-2021	Committee Name/Activity: The SPE Annual Technical Conference and Exhibition (ATCE) Committee, Organization: The Society of Petroleum Engineering (SPE), Service Type: Evaluation of the submitted abstracts-275 abstracts reviewed , Service Role: Member, Regionality: International
2020-2021	Committee Name/Activity: Technical Program Committee for the 4th Thermal EOR International Workshop, "Thermal Methods for Enhanced Oil Recovery: Laboratory Testing, Simulation and Oilfields Applications", Organization: Thermal EOR International Workshop, Service Type: International , Service Role: Organizing Committee, Regionality: International
2020-2021	Committee Name/Activity: Unconventional Resources Technology Conference, Organization: The Society of Petroleum Engineering (SPE), Service Type: Evaluation of the submitted abstracts-120 abstracts reviewed , Service Role: Member, Regionality: International

September 2018-May 2021	Committee Name/Activity: Engineering Faculty Advisory Council (EFAC), Organization: Texas A&M University, College of Engineering, Service Type: College, Service Role: Vice Chair, Regionality: Local
April 2020-June 2020	Committee Name/Activity: Multidisciplinary Engineering (MTDE) Faculty Steering Committee, Organization: Texas A&M University, College of Engineering, Service Type: College, Service Role: Steering Committee Member, Regionality: Local
2019-2020	Committee Name/Activity: SPE/IADC Middle East Drilling Technology Conference and Exhibition, Organization: The Society of Petroleum Engineering (SPE), Service Type: Evaluation of the submitted abstracts , Service Role: Member, Regionality: International
2019-2020	Committee Name/Activity: Unconventional Resources Technology Conference, Organization: The Society of Petroleum Engineering (SPE), Service Type: Evaluation of the submitted abstracts-74 abstracts reviewed , Service Role: Member, Regionality: International
2019-2020	Committee Name/Activity: The SPE Annual Technical Conference and Exhibition (ATCE) Committee, Organization: The Society of Petroleum Engineering (SPE), Service Type: Evaluation of the submitted abstracts , Service Role: Member, Regionality: International
2019-2020	Committee Name/Activity: The SPE Heavy Oil Canada, Organization: The Society of Petroleum Engineering (SPE), Service Type: Evaluation of the submitted abstracts-275 abstracts reviewed , Service Role: Member, Regionality: International
2019	Committee Name/Activity: The Thermal EOR Special Issue III of Journal of Petroleum Science and Engineering, Organization: Elsevier, Service Type: Editorial, Service Role: Guest Editor (Associate Editor) Regionality: International
August 2019-March 2020	Committee Name/Activity: Energy Reports, Organization: Elsevier, Service Type: Editorial, Service Role: Associate Editor Regionality: International
2018-2019	Committee Name/Activity: The SPE Annual Technical Conference and Exhibition (ATCE) Committee, Organization: The Society of Petroleum Engineering (SPE), Service Type: Evaluation of the submitted abstracts , Service Role: Member, Regionality: International
2018	Committee Name/Activity: The Thermal EOR Special Issue II of Journal of Petroleum Science and Engineering, Organization: Elsevier, Service Type: Editorial, Service Role: Managing Guest Editor (Editor-in-chief) Regionality: International

2018 Committee Name/Activity: 2018 SPE/EAGE Tar Mats & Heavy Oil Workshop, Organization: The Society of Petroleum Engineering (SPE), Service Type: **International**, Service Role: Steering Committee, Regionality: International

2018 Committee Name/Activity: Women Faculty Network (WFN) Faculty Mentoring Program, Organization: Texas A&M University; Service Type: University, Service Role: Mentor, Regionality: Local

2017-2018 Committee Name/Activity: Technical Program Committee for the 3rd Thermal EOR International Workshop, "Thermal Methods for Enhanced Oil Recovery: Laboratory Testing, Simulation and Oilfields Applications", Organization: Thermal EOR International Workshop, Service Type: **International**, Service Role: Organizing Committee, Regionality: International

2017-2018 Committee Name/Activity: SPE/IADC Middle East Drilling Technology Conference and Exhibition, Organization: The Society of Petroleum Engineering (SPE), Service Type: **Evaluation of the submitted abstracts**, Service Role: Member, Regionality: **International**

2017-2018 Committee Name/Activity: SPE Heavy Oil Technical Conference, Organization: The Society of Petroleum Engineering (SPE), Service Type: **Evaluation of the submitted abstracts**, Service Role: Member, Regionality: **International**

2017 Committee Name/Activity: The Thermal EOR Special Issue I of Journal of Petroleum Science and Engineering, Organization: Elsevier, Service Type: Editorial, Service Role: **Managing Guest Editor (Editor-in-chief)** Regionality: International

2016-2017 Committee Name/Activity: Technical Program Committee for the 2nd Thermal EOR International Workshop, "Thermal Methods for Enhanced Oil Recovery: Laboratory Testing, Simulation and Oilfields Applications", Organization: Thermal EOR International Workshop, Service Type: **International**, Service Role: Organizing Committee, Regionality: International

2016-2017 Committee Name/Activity: SPE Heavy Oil Technical Conference, Organization: The Society of Petroleum Engineering (SPE), Service Type: **Evaluation of the submitted abstracts**, Service Role: Member, Regionality: **International**

2016-2017 Committee Name/Activity: SPE Latin America and Caribbean Heavy and Extra-Heavy Oil Conference, Organization: The Society of Petroleum Engineering (SPE), Service Type: **Evaluation of the submitted abstracts**, Service Role: Member, Regionality: **International**

2016-2019	Committee Name/Activity: The SPE Faculty Innovative Teaching Award Committee, Organization: The Society of Petroleum Engineering (SPE), Service Type: International , Service Role: Member, Regionality: International
2016-2020	Committee Name/Activity: Undergraduate Curriculum Committee, Organization: Texas A&M University, Petroleum Engineering Department, Service Type: Department, Service Role: Committee Member, Regionality: Local
2016-2017	Committee Name/Activity: Honors Program, Organization: Texas A&M University, College of Engineering, Service Type: College, Service Role: Coordinator for Petroleum Engineering, Regionality: Local
2015-2016	Committee Name/Activity: Junior Faculty Mentoring Program, Organization: Texas A&M University, Petroleum Engineering Department, Service Type: Department, Service Role: Organizer, Regionality: Local
2015-2016	Committee Name/Activity: Mentoring High School Teachers for grant proposal writing on combustion to encourage high school students' involvement in research and for a college degree, Organization: Combustion Institute, The Central States Section, Service Type: National, Service Role: Mentor, Regionality: National
2015-2016	Committee Name/Activity: The Academy of Future Faculty (AFF), Organization: Texas A&M University Service Type: University, Service Role: Volunteer for mentoring, Regionality: Local
2015-2016	Committee Name/Activity: Technical Program Committee for the 2nd Thermal EOR International Workshop, "Thermal Methods for Enhanced Oil Recovery: Laboratory Testing, Simulation and Oilfields Applications", Organization: Thermal EOR International Workshop, Service Type: International , Service Role: Organizing Committee, Regionality: International
2015-Sept.2017	Committee Name/Activity: Junior Engineering Faculty Advisory Council (JEFAC), Organization: Texas A&M University, College of Engineering, Service Type: College, Service Role: Vice Chair, Regionality: Local
January 2014-December 2022	Committee Name/Activity: Journal of Petroleum Science and Engineering, Organization: Elsevier, Service Type: Editorial, Service Role: Associate Editor Regionality: International
2014-2016	Committee Name/Activity: Undergraduate scholarship committee, Organization: Texas A&M University, Petroleum Engineering Department, Service Type: Department, Service Role: Committee Member, Regionality: Local
Summer 2012	Committee Name/Activity: WITSON to encourage women's education in science and engineering; Organization: WITSON, Service Type: International, Service Role: Mentoring, Regionality: International

Professional Affiliations and Memberships (1 Distinguished Membership and 4 Membership)

2004-Present	Organization Name: Society of Petroleum Engineers (SPE), Membership Status: Distinguished Member
2002-Present	Organization Name: Chamber of Turkish Environmental Engineers, Membership Status: Member
2015	Organization Name: American Chemical Society (ACS), Membership Status: Member
2015	Organization Name: The Combustion Institute, Membership Status: Member
2014	Organization Name: American Association of University Professors (AAUP), Membership Status: Member

Professional Presentations/Invited Speaker/Media (44 invitations)

September 2024	Date: 2024-09-18, Event Name: Unconventional Resources Department, Saudi Aramco, on Produced Water Management for Hydraulic Fracturing and Hydraulic Fracturing Fluid Engineering, Role: Seminar Speaker , Regionality of Activity (local, regional, etc.): International.
September 2024	Date: 2024-09-10, Event Name: 4 th International Conference on Energy, Environment, and Storage of Energy, Kapadokya, Nevsehir, Turkey, Role: Keynote Speaker , Regionality of Activity (local, regional, etc.): International.
March 2024	Date: 2024-03-10, Event Name: Turkish women petroleum engineers working abroad, by Turkish Chamber of Petroleum Engineers, Women's Working Group, Ankara, Turkey, Role: Panelist , Regionality of Activity (local, regional, etc.): International.
June 2023	Date: 2023-11-20, Presentation Title: Reservoir Rock Contribution to In-situ Combustion Performance, Location (City, State/Province, Country): Thermal EOR Workshop in Ankara, Turkey, Role: Plenary Speaker , Regionality of Activity (local, regional, etc.): International.
March 2023	Date: 2023-3-29, Presentation Title: Involvement of Petroleum Engineers in Carbon Capture, Utilization, and Storage Projects, Location (City, State/Province, Country): Society of Petroleum Engineers University of Batna 2-chapter, Hassi Messaoud Section, Algeria, Role: Speaker , Regionality of Activity (local, regional, etc.): International.
March 2023	Date: 2023-3-24, Presentation Title: In-situ combustion: the most promising enhanced oil recovery method, Location (City, State/Province, Country): Department of Petroleum Engineering at the University

	of Houston, Houston, TX, Role: Graduate Seminar Speaker , Regionality of Activity (local, regional, etc.): Regional.
November 2022	Date: 2022-11-5, Presentation Title: Energy Transition and Future of Thermal-EOR, Location (City, State/Province, Country): Thermal Methods for Enhanced Oil Recovery, ThEOR 2022, Baku Azerbaijan Role: Keynote Speaker , Regionality of Activity (local, regional, etc.): International.
October 2022	Date: 2022-10-28, Presentation Title: Net-zero carbon emissions and the future of petroleum engineering, Location (City, State/Province, Country): Craft and Hawkins Department of Petroleum Engineering at the Louisiana State University (LSU), Baton Rouge, Louisiana, Role: Graduate Seminar Speaker , Regionality of Activity (local, regional, etc.): Regional.
October 2022	Date: 2022-10-22, Presentation Title: Energy Transition and Future of EOR, Location (City, State/Province, Country): T International Energy Agency Technology Collaboration Program for Enhanced Oil Recovery (IEA EOR TCP), the Global vision Task forces emerging technologies-Virtual, Role: Panelist , Regionality of Activity (local, regional, etc.): International.
September 2022	Date: 2022-09-22, Presentation Title: Effectiveness of Electromagnetic Wave Applications in Petroleum Production (City, State/Province, Country): The Heavy Oil Community of Practice within Chevron, Bakersfield, California-Virtual, Role: Seminar Speaker , Regionality of Activity (local, regional, etc.): Regional.
April 2022	Date: 2022-04-22, Presentation Title: Net-zero carbon emissions and the future of petroleum engineering, Location (City, State/Province, Country): Mewbourne College of Earth and Energy, MewBourne School of Petroleum and Geological Engineering, The University of Oklahoma. Role: Graduate Seminar Speaker , Regionality of Activity (local, regional, etc.): Regional.
December 2021	Date: 2021-12-21, Presentation Title: Factors Affecting Electromagnetic Wave propagation in Heavy Oil Reservoirs, Location (City, State/Province, Country): Thermal Methods for Enhanced Oil Recovery, ThEOR 2021, Virtual, Role: Keynote Speaker , Regionality of Activity (local, regional, etc.): International.
October 2021	Date: 2021-10-25, Presentation Title: Everything You Need to Know About Graduate Study, Location (City, State/Province, Country): Texas A&M University, Doha, Qatar, Role: Seminar Speaker , Regionality of Activity (local, regional, etc.): International.
October 2021	Date: 2021-10-22, Presentation Title: Effectiveness of Electromagnetic Wave Applications in Petroleum Production, Location (City, State/Province, Country): Bob L. Herd Department of Petroleum Engineering, Texas Tech University. Role: Graduate Seminar Speaker , Regionality of Activity (local, regional, etc.): Regional.

July 2021	Date: 2021-07-17, Presentation Title: Carbon dioxide flooding for heavy oil recovery: how to maintain miscibility, Location (City, State/Province, Country): The International Energy Agency Technology Collaboration Program for Enhanced Oil Recovery (IEA EOR TCP), the Global vision Task forces emerging technologies-Virtual, Role: Panelist , Regionality of Activity (local, regional, etc.): International.
July 2021	Date: 2021-07-07, Presentation Title: Solvent selection for heavy oil recovery with minimum environmental impact, Location (City, State/Province, Country): SPE Colombia Heavy Oil Annual Meeting, Big Challenges, Heavy Solutions-Virtual, Role: Keynote Speaker , Regionality of Activity (local, regional, etc.): International.
May 2021	Date: 2021-05-20, Presentation Title: How to optimize a miscible EOR flood with minimal environmental impact, Location (City, State/Province, Country): SPE Gulf Coast Section, Reservoir Study Group-Virtual, Role: Seminar Speaker , Regionality of Activity (local, regional, etc.): Regional.
May 2021	Date: 2021-05-14, Presentation Title: Can zero emissions be a realistic objective? Future of Petroleum Engineering, Location (City, State/Province, Country): SPE Student Chapter –SPE Ecuador Section, Ecuador -Virtual, Role: Lecture , Regionality of Activity (local, regional, etc.): Regional.
December 2020	Date: 2020-12-07, Presentation Title: Environmental Impact of Oil and Gas Production- Part 1: Gas Emissions, Location (City, State/Province, Country): SPE Student Chapter –University of Belgrade, Serbia -Virtual, Role: Lecture , Regionality of Activity (local, regional, etc.): Regional.
November 2020	Date: 2020-11-13, Presentation Title: Introduction to Thermal Enhanced Oil Recovery Methods, Location (City, State/Province, Country): SPE Student Chapter-Universidad del Noreste (UNE), Mexico -Virtual, Role: Webinar Speaker , Regionality of Activity (local, regional, etc.): Regional.
October 2020	Date: 2020-10-29, Presentation Title: Ataturk, Me, and Reformed Republic, Location (City, State/Province, Country): Texas A&M University, Turkish Student Association, -Virtual, Role: Keynote Speech , Regionality of Activity (local, regional, etc.): Local.
February 2019	Date: 2019-02-05, Presentation Title: Who to Blame for Climate Change, Location (City, State/Province, Country): Texas A&M University, Petroleum Engineering Department. Role: Graduate Seminar Speaker , Regionality of Activity (local, regional, etc.): Local.
December 2018	Date: 2018-12-02, Presentation Title: Contribution of Oil and Gas Industry to Global Warming, Location (City, State/Province, Country): Texas A&M University, Doha, Qatar, Role: Graduate Seminar Speaker , Regionality of Activity (local, regional, etc.): International.

November 2018 Date: 2018-11-26, Presentation Title: Factors Affecting Asphaltenes Stability, Location (City, State/Province, Country): Petroleum and Geosystem Engineering Department, UT at Austin, TX, Role: **Graduate Seminar Speaker**, Regionality of Activity (local, regional, etc.): Regional.

October 2017 Date: 2017-10-19, Presentation Title: Factors Affecting Asphaltenes Stability, Location (City, State/Province, Country): Schlumberger Heavy Oil Special Interest Group. Mexico City, Mexico, Role: **Webinar Speaker**, Regionality of Activity (local, regional, etc.): Regional.

September 2017 Date: 2017-09-18, Presentation Title: Enhancing the proper management and treatment of produced water for reinjection purposes, Location (City, State/Province, Country): Unconventional Completions Conference, Houston, Texas, Role: **Workshop Leader**, Regionality of Activity (local, regional, etc.): Regional

April 2017 Date: 2017-04-07, Presentation Title: The Effectiveness of Microwave Heating for High Asphaltenes Content Oil Reservoirs, Location (City, State/Province, Country): Chevron Cooperation, Richmond Technology Center, Richmond, California, USA, Role: **Seminar Speaker**, Regionality of Activity (local, regional, etc.): Regional

March 2017 Date: 2017-03-14, Presentation Title: Enhanced Oil Recovery, PETE 402-Section 502-503: Integrated Asset Development, Location (City, State/Province, Country): Texas A&M University, College Station, TX, Role: **Guest Lecturer**, Regionality of Activity (local, regional, etc.): Local

August 2016 Date: 2016-08-22, Presentation Title: New Faculty Orientation, Location (City, State/Province, Country): The Office of Dean of Faculties, Texas A&M University, College Station, TX, Role: **Panelist**, Regionality of Activity (local, regional, etc.): Local

July 2016 Date: 2016-07-30, Presentation Title: Solvent-Steam Processes: Benefits and Drawbacks, Location (City, State/Province, Country): RPE Chevron, Houston, Texas, USA, Role: **Lunch and Learn**, Regionality of Activity (local, regional, etc.): Regional

June 2016 Date: 2016-06-30, Presentation Title: The Impact of Asphaltenes on Thermal EOR Performance, Location (City, State/Province, Country): Thermal Methods for Enhanced Oil Recovery, ThEOR 2026, Kazan, Russia, Role: **Plenary Lecture**, Regionality of Activity (local, regional, etc.): International.

June 2016 Date: 2016-06-28, Presentation Title: Fundamentals of Miscible Flooding, Location (City, State/Province, Country): Petroleum Engineering Department, Kazan Federal University, Kazan, Russia, Role: **Graduate Seminar Speaker**, Regionality of Activity (local, regional, etc.): International

December 2015	Date: 2015-12-04, Presentation Title: Hydrocarbon Extraction from Unconventional Reservoirs, Location (City, State/Province, Country): Centro de Investigación en Química Aplicada (CIQA), in Saltillo Coahuila, México, Role: Seminar Speaker , Regionality of Activity (local, regional, etc.): International
October 2015	Date: 2015-10-28, Presentation Title: Faculty Insight Luncheon for WE LEAD, Location (City, State/Province, Country): Women in Engineering (WE), Texas A&M University, College Station, TX, Role: Panelist , Regionality of Activity (local, regional, etc.): Local
September 2015	Date: 2015-09-22/23, Presentation Title: Lifting Recovery to the Next Level, In-situ electrical heating stimulation for heavy oil recovery, Location (City, State/Province, Country): SPE Heavy Oil Workshop in Budapest, Hungary, Role: Panelist , Regionality of Activity (local, regional, etc.): International.
September 2015	Date: 2015-09-03, Presentation Title: Solvent-Steam Processes for Heavy Oil and bitumen Extraction, Location (City, State/Province, Country): International Science and Practice Conference “Specific of Survey and Exploration of Alternative Hydrocarbon Fields”, Kazan, Republic of Tatarstan, Russia, Role: Invited Speaker , Regionality of Activity (local, regional, etc.): International.
August 2015	Date: 2015-08-24, Presentation Title: New Faculty Orientation, Location (City, State/Province, Country): The Office of Dean of Faculties, Texas A&M University, College Station, TX, Role: Panelist , Regionality of Activity (local, regional, etc.): Local
October 2014	Date: 2014-10-28, Presentation Title: Advanced Recovery Techniques for Unconventional Oil Resources, Location (City, State/Province, Country) Process Engineering Department, Memorial University of Newfoundland and Labrador, Canada, Role: Graduate Seminar Speaker , Regionality of Activity (local, regional, etc.): International
October 2014	Date: 2014-10-27, Presentation Title: Reservoir Fluids-Dry Gases, Location (City, State/Province, Country) Process Engineering Department, Memorial University of Newfoundland and Labrador, Canada, Role: Undergraduate Seminar Speaker , Regionality of Activity (local, regional, etc.): International
March 2013	Date: 2013-03-27, Presentation Title: Hydrogen Sulfide problem during steam injection processes, Location (City, State/Province, Country): Ecopetrol, Bogota, Colombia, Role: Seminar Speaker , Regionality of Activity (local, regional, etc.): International
March 2013	Date: 2013-03-15, Presentation Title: Oil Shale extraction with RF (Radio Frequency) heating, Location (City, State/Province, Country): CPI-Communications & Power Industries Palo Alto, CA, USA, Role: Seminar Speaker , Regionality of Activity (local, regional, etc.): Regional

March 2013 Date: 2013-03-15, Presentation Title: Oil Shale extraction with RF (Radio Frequency) heating, Location (City, State/Province, Country): SLAC-Stanford National Accelerator Laboratory, Stanford, CA, USA, Role: **Seminar Speaker**, Regionality of Activity (local, regional, etc.): Regional

February 2011 Date: 2011-02-15, Presentation Title: Complexity behind field-scale modeling of in-situ combustion, Location (City, State/Province, Country): Schlumberger, Abingdon, UK, Role: **Seminar Speaker**, Regionality of Activity (local, regional, etc.): International

Professional Development Activities (CEU stands for Continuing Education Unit) (~26.5 CEU after tenure and ~29 CEU before tenure at A&M, ~ 64.5 CEU in Career total)

January 2024 Soar with Canvas, CE/CPE/CEU/CLE Hours: 1.5 Professional Development Hours (0.15 CEUs), Course Format: Online, City: Texas A&M University, College Station, State: TX

January 2024 Launch with Canvas, CE/CPE/CEU/CLE Hours: 1.5 Professional Development Hours (0.15 CEUs), Course Format: Online, City: Texas A&M University, College Station, State: TX

January 2024 Facilitating Learning: An Introduction to the 5 Families of Teaching Strategies, CE/CPE/CEU/CLE Hours: 1.5 Professional Development Hours (0.15 CEUs), Course Format: Online, City: Texas A&M University, College Station, State: TX

June 2023 Dignity in Action: Classroom Culture and Aggie Core Values, CE/CPE/CEU/CLE Hours: 2 Professional Development Hours (0.2 CEUs), Course Format: Online, City: Texas A&M University, College Station, State: TX

March 2022 Course Title: Executive Leadership Certificate (16 weeks), CE/CPE/CEU/CLE Hours: 64 Professional Development Hours (6.4 CEUs), Course Format: Online, City: Cornell University, State: NY

January 2022 Course Title: Diversity and Inclusion Certificate (8 weeks), CE/CPE/CEU/CLE Hours: 32 Professional Development Hours (3.2 CEUs), Course Format: Online, City: Cornell University, State: NY

October 2021 Course Title: Women in Leadership Certificate (10 weeks), CE/CPE/CEU/CLE Hours: 40 Professional Development Hours (4 CEUs), Course Format: Online, City: Cornell University, State: NY

September 2021-May 2022 Course Title: Leadership Academy (2 semesters), CE/CPE/CEU/CLE Hours: 30 Professional Development Hours (3 CEUs), Course Format: Online, City: Texas A&M University, College Station, State: TX

July 13, 2022	Course Title: Graduate Mentoring Academy (GMA) - Facilitator Training, CE/CPE/CEU/CLE Hours: 2 Professional Development Hours (0.2 CEUs), Course Format: Online, City: Texas A&M University, College Station, State: TX
June 20, 2022	Course Title: Capstone: Mentoring Philosophy and Plan (after the completion of all 6 competencies), CE/CPE/CEU/CLE Hours: 2 Professional Development Hours (0.2 CEUs), Course Format: Online, City: Texas A&M University, College Station, State: TX
March 3, 2022	Course Title: Competency 6: Promoting Professional Development (PPD) in Mentoring, CE/CPE/CEU/CLE Hours: 2 Professional Development Hours (0.2 CEUs), Course Format: Online, City: Center for Teaching Excellence, Faculty and Graduate Mentoring Academy (FMA and GMA), Texas A&M University College Station, State: TX
April 11, 2022	Course Title: Competency 5: Fostering Independence in Mentoring (FI), CE/CPE/CEU/CLE Hours: 2 Professional Development Hours (0.2 CEUs), Course Format: Online, City: Center for Teaching Excellence, Faculty and Graduate Mentoring Academy (FMA and GMA), Texas A&M University College Station, State: TX
October 6, 2021	Course Title: Competency 1: Maintaining Effective Communication in Mentoring (MEC), CE/CPE/CEU/CLE Hours: 2 Professional Development Hours (0.2 CEUs), Course Format: Online, City: Center for Teaching Excellence, Faculty and Graduate Mentoring Academy (FMA and GMA), Texas A&M University College Station, State: TX
July 13, 2021	Course Title: Competency 3: Assessing Understanding in Mentoring (AU), CE/CPE/CEU/CLE Hours: 2 Professional Development Hours (0.2 CEUs), Course Format: Online, City: Center for Teaching Excellence, Faculty and Graduate Mentoring Academy (FMA and GMA), Texas A&M University College Station, State: TX
July 8, 2021	Course Title: Competency 4: Addressing Equity and Inclusion in Mentoring (AEI), CE/CPE/CEU/CLE Hours: 2 Professional Development Hours (0.2 CEUs), Course Format: Online, City: Center for Teaching Excellence, Faculty and Graduate Mentoring Academy (FMA and GMA), Texas A&M University College Station, State: TX
June 28, 2021	Course Title: Competency 2: Aligning Expectations in Mentoring (AE), CE/CPE/CEU/CLE Hours: 2 Professional Development Hours (0.2 CEUs), Course Format: Online, City: Center for Teaching Excellence, Faculty and Graduate Mentoring Academy (FMA and GMA), Texas A&M University College Station, State: TX

May 19, 2021	Course Title: ADVANCE-STRIDE (The Strategies and Tactics for Recruiting to Improve Diversity and Excellence), CE/CPE/CEU/CLE Hours: 2 Professional Development Hours (0.2 CEUs), Course Format: Face-to-Face, City: Texas A&M University College Station, State: TX
November 12, 2019	Course Title: WE: What's My Bias? Understanding the Impact of Internalized Messages, CE/CPE/CEU/CLE Hours: 2 Professional Development Hours (0.2 CEUs), Course Format: Face-to-Face, City: Women in Engineering- Fall 2019 Faculty Focus, Texas A&M University College Station, State: TX
May1-2, 2019	Course Title: Transformational Teaching and Learning Conference "Active and Inclusive Engagement", CE/CPE/CEU/CLE Hours: 10 Professional Development Hours (1 CEUs), Course Format: Face-to-Face, City: Texas A&M University College Station, State: TX
April 18, 2019	Course Title: Articulating the Value of Diversity in Our Courses and Disciplines, CE/CPE/CEU/CLE Hours: 2 Professional Development Hours (0.2 CEUs), Course Format: Face-to-Face, City: Center for Teaching Excellence, Texas A&M University College Station, State: TX
March 26, 2019	Course Title: Visionary Women: Champions of Peace & Nonviolence, 2019 Women's Research on Women, CE/CPE/CEU/CLE Hours: 5 Professional Development Hours (0.5 CEUs), Course Format: Face-to-Face, City: Education & Human Development, Education Leadership Research Center, Texas A&M University College Station, State: TX
March 19, 2019	Course Title: Digital Playgrounds as Learning Spaces: Leveraging Digital Games and Gaming Approaches for Engagement, CE/CPE/CEU/CLE Hours: 2 Professional Development Hours (0.2 CEUs), Course Format: Face-to-Face, City: Center for Teaching Excellence, Texas A&M University College Station, State: TX
March 20, 2019	Course Title: Suicide Prevention Gatekeeper Training, QPR (Question Persuade Refer), CE/CPE/CEU/CLE Hours: 2 Professional Development Hours (0.2 CEUs), Course Format: Face-to-Face, City: Student Counseling Service, Division of Student Affairs, Texas A&M University College Station, State: TX
March 6, 2019	Course Title: Aggie Disability Awareness Workshop, CE/CPE/CEU/CLE Hours: 2 Professional Development Hours (0.2 CEUs), Course Format: Face-to-Face, City: Education & Human Development, Texas A&M University College Station, State: TX
February 26, 2019	Course Title: Practice, Practice, Practice: Designing Meaningful In-Class Learning Experiences for Students, CE/CPE/CEU/CLE Hours: 2 Professional Development Hours (0.2 CEUs), Course Format: Face-to-Face, City: Center for Teaching Excellence, Texas A&M University College Station, State: TX

February 20, 2019	Course Title: Practice, Practice, Practice: Promoting Classroom Climate: Laying the Social Groundwork for Better Learning, CE/CPE/CEU/CLE Hours: 2 Professional Development Hours (0.2 CEUs), Course Format: Face-to-Face, City: Center for Teaching Excellence, Texas A&M University College Station, State: TX
June 2-3, 2018	Course Title: Program Evaluator Candidate Training, CE/CPE/CEU/CLE Hours: 10 Professional Development Hours (1 CEUs), Course Format: Face-to-Face, City: ABET (Accreditation Board for Engineering and Technology, Inc.), Baltimore, State: Maryland
October 17, 2017	Course Title: Creating Inclusive Classrooms for LGBTQ+ Students, CE/CPE/CEU/CLE Hours: 2 Professional Development Hours (0.2 CEUs), Course Format: Face-to-Face, City: Center for Teaching Excellence, Texas A&M University College Station, State: TX
April 18, 2017	Course Title: Faculty Feedback – It Matters What you Say, CE/CPE/CEU/CLE Hours: 2 Professional Development Hours (0.2 CEUs), Course Format: Face-to-Face, City: Women in Engineering (WE) Program-Faculty Focus, Texas A&M University College Station, State: TX
March 23, 2017	Course Title: Increasing Diversity within YOUR Faculty Pool, CE/CPE/CEU/CLE Hours: 2 Professional Development Hours (0.2 CEUs), Course Format: Face-to-Face, City: Women in Engineering (WE) Program-Faculty Focus, Texas A&M University College Station, State: TX
February 2, 2017	Course Title: Discussing Growth Mindset, CE/CPE/CEU/CLE Hours: 2 Professional Development Hours (0.2 CEUs), Course Format: Face-to-Face, City: Women in Engineering (WE) Program-Faculty Focus, Texas A&M University College Station, State: TX
November 29, 2016	Course Title: The Seventh Pedagogy Project, CE/CPE/CEU/CLE Hours: 2 Professional Development Hours (0.2 CEUs), Course Format: Face-to-Face, City: Supporting Transformational Learning, Disciplines Related to Technology-Enabled and Distance Education Programs, Texas A&M University College Station, State: TX
November 22, 2016	Course Title: The Sixth Pedagogy Project, CE/CPE/CEU/CLE Hours: 2 Professional Development Hours (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, State: TX
October 27, 2016	Course Title: The Second Pedagogy Project, CE/CPE/CEU/CLE Hours: 2 Professional Development Hours (0.2 CEUs), Course Format: Face-to-Face, City: Supporting Transformational Learning, Disciplines Related to Mathematics and the Physical and Earth Sciences, Texas A&M University College Station, State: TX

August 4, 2015	Course Title: FIT A Basic Guide to Digital Multimedia Production for Teaching and Learning 8-4, CE/CPE/CEU/CLE Hours: 2 Professional Development Hours (0.2 CEUs), Course Format: Face-to-Face, City: Center for Teaching Excellence, Texas A&M University College Station, State: TX
July 9, 2015	Course Title: Working with Students with Disabilities 7-9, CE/CPE/CEU/CLE Hours: 2 Professional Development Hours (0.2 CEUs), Course Format: Face-to-Face, City: Center for Teaching Excellence, Texas A&M University College Station, State: TX
June 25, 2015	Course Title: Lecture Well 6-25, CE/CPE/CEU/CLE Hours: 2 Professional Development Hours (0.2 CEUs), Course Format: Face-to-Face, City: Center for Teaching Excellence, Texas A&M University College Station, State: TX
April 28, 2015	Course Title: Course Design Series Session III 4/28, CE/CPE/CEU/CLE Hours: 2 Professional Development Hours (0.2 CEUs), Course Format: Face-to-Face, City: Center for Teaching Excellence, Texas A&M University College Station, State: TX
April 23, 2015	Course Title: Diversity & Global Learning 4/23, CE/CPE/CEU/CLE Hours: 2 Professional Development Hours (0.2 CEUs), Course Format: Face-to-Face, City: Center for Teaching Excellence, Texas A&M University College Station, State: TX
April 21, 2015	Course Title: Course Design Series Session II 4/21, CE/CPE/CEU/CLE Hours: 2 Professional Development Hours (0.2 CEUs), Course Format: Face-to-Face, City: Center for Teaching Excellence, Texas A&M University College Station, State: TX
April 14, 2015	Course Title: Course Design Series Session I 14/14, CE/CPE/CEU/CLE Hours: 2 Professional Development Hours (0.2 CEUs), Course Format: Face-to-Face, City: Center for Teaching Excellence, Texas A&M University College Station, State: TX
April 13, 2015	Course Title: ADVANCE-STRIDE (The Strategies and Tactics for Recruiting to Improve Diversity and Excellence), CE/CPE/CEU/CLE Hours: 2 Professional Development Hours (0.2 CEUs), Course Format: Face-to-Face, City: Texas A&M University College Station, State: TX
March 30-31, 2015	Course Title: Roadmap for a Successful Academic Career Workshop, CE/CPE/CEU/CLE Hours: 10 Professional Development Hours (10 CEUs), Course Format: Face-to-Face, City: ADVANCE Center, Texas A&M University College Station, State: TX
February 23, 2015	Course Title: ADVANCE-STRIDE (The Strategies and Tactics for Recruiting to Improve Diversity and Excellence), CE/CPE/CEU/CLE Hours: 2 Professional Development Hours (0.2 CEUs), Course Format: Face-to-Face, City: Texas A&M University College Station, State: TX

April 6-8, 2014	Course Title: Attention Faculty in STEM Disciplines, CE/CPE/CEU/CLE Hours: 10 Professional Development Hours (1 CEUs), Course Format: Face-to-Face, City: CIRTL, Center for Teaching Excellence, and Office of Graduate and Professional Studies, Texas A&M University, College Station, State: TX
March 31, 2014	Course Title: Attention Faculty in STEM Disciplines, CE/CPE/CEU/CLE Hours: 5 Professional Development Hours (0.5 CEUs), Course Format: Face-to-Face, City: CIRTL, Center for Teaching Excellence, and Office of Graduate and Professional Studies, Texas A&M University, College Station, State: TX
February 2013	Course Title: Fair Use: Using Copyrighted Material in Your Thesis/Dissertation and Other Research Works - Copyright and Publishing Series, CE/CPE/CEU/CLE Hours: 2 Professional Development Hours (0.2 CEUs), Course Format: Face-to-Face, City: Texas A&M University, College Station, State: TX
February 2013	Course Title: Creative Commons Licenses: A Prerequisite for Publishing Your Research via Open Access, CE/CPE/CEU/CLE Hours: 2 Professional Development Hours (0.2 CEUs), Course Format: Face-to-Face, City: Texas A&M University, College Station, State: TX
January 2013-May 2013	Course Title: Kick Start Your Teaching – Effectiveness and Efficiency, CE/CPE/CEU/CLE Hours: 20 Professional Development Hours (2 CEUs), Course Format: Face-to-Face, City: Texas A&M University, College Station, State: TX
December 2012	Course Title: Writing with P.O.W.E.R! A Writing Productivity Program for New Faculty, CE/CPE/CEU/CLE Hours: 20 Professional Development Hours (2 CEUs), Course Format: Face-to-Face, City: Texas A&M University, College Station, State: TX
March 2011	Course Title: Petrel Reservoir Engineering, Schlumberger, CE/CPE/CEU/CLE Hours: 30 Professional Development Hours (3 CEUs), Course Format: Face-to-Face, City: Calgary, AB, CANADA, State: Alberta
March 2011	Course Title: Oil Field Manager (OFM) Fundamentals and Forecast Analysis, Schlumberger, CE/CPE/CEU/CLE Hours: 30 Professional Development Hours (3 CEUs), Course Format: Face-to-Face, City: Crawley, UK.
February 2011	Course Title: Eclipse Thermal, Schlumberger, CE/CPE/CEU/CLE Hours: 50 Professional Development Hours (5 CEUs), Course Format: Face-to-Face, City: Abingdon, UK.
Summer 2006	Course Title: European School of English, CE/CPE/CEU/CLE Hours: 120 Professional Development Hours (12 CEUs), Course Format: Face-to-Face, City: Paceville, MALTA
Summer 2006	Course Title: International Summer School of Geothermal Exploration, CE/CPE/CEU/CLE Hours: 80 Professional Development Hours (8 CEUs), Course Format: Face-to-Face, City: Izmir, Turkey

Grants & Contracts (Career Total funding: \$6,027,657; Hascakir's Contribution: \$3,123,303; Pending: \$1,125,000) * sources did not include to total amount and to the Hascakir's contribution.