

Berna Hascakir

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Biography

Berna Hascakir is an accomplished Associate Professor of Petroleum Engineering at Texas A&M University, with extensive experience in the energy sector. She has made significant contributions to the field, particularly in thermal enhanced oil recovery, flow assurance, oil field water management, and treatment.

Hascakir has secured \$2.568 million in research funding as career total, with an additional \$2.545 million pending. She has published 44 peer-reviewed articles and 114 conference proceedings and holds two patents that have generated substantial revenue for the university. Hascakir has supervised 8 PhD, 15 MS, and 3 MEng students to graduation, and currently advises 5 PhD, 3 MS, and 2 MEng students.

As an educator, Hascakir has taught four undergraduate and four graduate courses, mentoring over 1,400 students. Her teaching evaluations consistently score higher than the department average. She is also a distinguished editor-in-chief for the journals *Petroleum Science and Technology*, the *Carbon Capture, Utilization, and Storage at Scale Special Issue of Fuel*, and the associate principal editor for *Fuel*.

Hascakir's professional service includes her Distinguished Member status in the Society of Petroleum Engineers, and her role as organizer of international workshops. Overall, Hascakir's achievements and contributions to the field of petroleum engineering are exceptional.

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
9/1/2018	Ongoing	Associate Professor	Tenured	Petroleum Engineering	Engineering
04/23/2012	8/31/2018	Assistant Professor	Tenure-Track	Petroleum Engineering	Engineering

Career Work Experience

2018 – Ongoing	Associate 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
2021 – 2022	ADVANCE Administrative Fellow, College Station, Texas, United States
2012 – 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 Eylül 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
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: 1379 Students in 11 years.

Course Title	Course	Credit Hours	Instruction Mode	Student Credit Hours	Enrollment	If co-taught, % contributed to course	Semester	Multidisciplinary Collaboration Activities Included
Transport Processes in Petroleum Production	PETE 314	3	Face-to-Face		64 (EO)	100	Fall 2023	N
Research	PETE 691		Face-to-Face			100	Summer 2023	N
EOR Processes	PETE 609	3	Face-to-Face		3 (EO)	100	Summer 2023	N
Enhanced Oil Recovery	PETE 409	3	Face-to-Face		1 (EO)	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 have been hired in April 2012; I did not teach in Summer 2012. I did not teach in Spring 2018 due to my after-pregnancy rights. Nobody enrolled to PETE 609 in Fall 2018. I did not teach in Spring 2020 due to my after-pregnancy rights. I did not teach in Fall 2021 due to my administrative appointment. PETE 314 was not assigned to me in Spring 2022, and nobody was enrolled to PETE 609/409 in Spring 2022.

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
Accessing Understanding (AU) in mentoring	Graduate Students, Faculty Members, Staff Members	College Station	Graduate Academy Fellow, Center for Teaching Excellence	EO	July 17,2023	July 17,2023	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	EO	July 10,2023	July 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)	EO	June 26,2023	June 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)	EO	June 22,2023	June 22,2023	Online	Instructor / 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	13	April 12,2023	April 12,2023	Online	Instructor / 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	32	April 10,2023	April 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	January 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	August 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	August 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	August 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	January 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	August 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	January 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	January 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	August 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	January 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	August 2001	Dec. 2001	Face-to-Face	Instructor	No	New Course	Full Course

Undergraduate Advising (Continuing: 3; Completed: 27) (*: sponsored, **: Supported by Dr. Hascakir's research fund)

- Spring 2023, Continuing Activity Advised/Mentored: Thermal Enhanced Oil Recovery Research, Undergraduate Name: Jessica Hankele Torres**, Description: Conducting Laboratory Experiments, Started As: Junior TAMU Petroleum Student
- Spring 2023, Continuing Activity Advised/Mentored: Thermal Enhanced Oil Recovery Research, Undergraduate Name: Omar Ahmed A. Al Blushi*, Description: Conducting Laboratory Experiments, Started As: Junior TAMU Petroleum Student
- Spring 2023, Continuing Activity Advised/Mentored: Thermal Enhanced Oil Recovery Research, Undergraduate Name: Ahmed Saud I. Bu Arish*, Description: Conducting Laboratory Experiments, Started As: Junior TAMU Petroleum Student
- Summer 2019 Activity Advised/Mentored: Enhanced Oil Recovery Research, Undergraduate Name: Rohit Singh*, Description: Conducting Laboratory Experiments, Started As: Junior Engineering Student from Indian Institute of Technology (IITs)

June 2019 - Dec 2019	Activity Advised/Mentored: Enhanced Oil Recovery Research, Undergraduate Name: Hasan Alhafidh**, Description: Conducting Laboratory Experiments, Started As: Junior TAMU Petroleum Student
Sep 2019 - Dec 2019	Activity Advised/Mentored: Enhanced Oil Recovery Research, Undergraduate Name: Autumn Roberts**, Description: Conducting Laboratory Experiments, Started As: Junior TAMU Petroleum Student
Summer 2019	Activity Advised/Mentored: Thermal Enhanced Oil Recovery Research, Undergraduate Name: Connor Pope**, Description: Conducting Laboratory Experiments, Started As: Junior University of Rochester Student- NSF Sponsored
Jan 2019- April 2019	Activity Advised/Mentored: Thermal Enhanced Oil Recovery Research, Undergraduate Name: Yeh Seng Lee *, Description: Conducting Laboratory Experiments, Started As: Visiting Scholar from Universiti Teknologi Petronas.
Summer 2018	Activity Advised/Mentored: Thermal Enhanced Oil Recovery Research, Undergraduate Name: John Siu**, Description: Conducting Laboratory Experiments, Started As: Sophomore University of Rochester Student- NSF Sponsored
Jan 2017-Dec 2017	Activity Advised/Mentored: Flow Assurance Research, Undergraduate Name: Alwin Ng*, Description: Conducting Laboratory Experiments, Started As: Junior TAMU Petroleum Honor-Student
Sep 2017-Dec 2017	Activity Advised/Mentored: Thermal Enhanced Oil Recovery Research, Undergraduate Name: Hindi Mousa Wael*, Description: Analytical modeling of experimental results, Started As: Junior TAMU Petroleum Honor-Student
Sep 2017-Dec 2017	Activity Advised/Mentored: Thermal Enhanced Oil Recovery Research, Undergraduate Name: Priscilla Rodriguez Tovar *, Description: Conducting Laboratory Experiments, Started As: Junior TAMU Petroleum Student
Sep 2017-Dec 2017	Activity Advised/Mentored: Thermal Enhanced Oil Recovery Research, Undergraduate Name: Shams Z. Al Bayati *, Description: Conducting Laboratory Experiments, Started As: Junior TAMU Petroleum Student
Sep 2017-Dec 2017	Activity Advised/Mentored: Thermal Enhanced Oil Recovery Research, Undergraduate Name: Tracey Onyinye Ike*, Description: Analytical modeling of experimental results, Started As: Junior TAMU Petroleum Honor-Student
Summer 2017	Activity Advised/Mentored: Thermal Enhanced Oil Recovery Research, Undergraduate Name: Elizabeth Seber **, Description: Conducting Laboratory Experiments, Started As: Sophomore PennState Student- NSF Sponsored

Summer 2017 Activity Advised/Mentored: Thermal Enhanced Oil Recovery Research, Undergraduate Name: Farooq Muhammad Zia *, Description: Working on Literature Review, Started As: Visiting student from TAMU Qatar

Spring 2017 Activity Advised/Mentored: Thermal Enhanced Oil Recovery Research, Undergraduate Name: Abrar Alshaikh**, Description: Conducting Laboratory experiments, Started As: Senior TAMU Petroleum Honor-Student

Summer 2016 Activity Advised/Mentored: Thermal Enhanced Oil Recovery Research, Undergraduate Name: Philipos Melake**, Description: Conducting Laboratory experiments, Started As: Junior TAMU Petroleum Honor-Student

Summer 2016 Activity Advised/Mentored: Thermal Enhanced Oil Recovery Research, Undergraduate Name: Pedram Bakhtiari Nezhad**, Description: Conducting Laboratory experiments, Started As: Junior TAMU Petroleum Eng. Student

Summer 2015 Activity Advised/Mentored: Thermal Enhanced Oil Recovery Research, Undergraduate Name: Ryan Reyna*, Description: Review on Thermal EOR Methods, Started As: Junior TAMU Petroleum Eng. Student

Summer 2015 Activity Advised/Mentored: Thermal Enhanced Oil Recovery Research, Undergraduate Name: Hasun D. Kim*, Description: Conducting Laboratory experiments, Started As: Junior TAMU Petroleum Eng. Student

Summer 2015 Activity Advised/Mentored: Thermal Enhanced Oil Recovery Research, Undergraduate Name: Catherine E. Sparkes*, Description: Conducting Laboratory experiments, Started As: Junior TAMU Petroleum Eng. Student

2014-2015 Activity Advised/Mentored: Asphaltenes Characterization Research, Undergraduate Name: Andreas Prakoso**, Description: Conducting Laboratory experiments, Started As: Senior TAMU Petroleum Eng. Student

2013-2016 Activity Advised/Mentored: Thermal Enhanced Oil Recovery Research, Undergraduate Name: Kristina Klock**, Description: Conducting Laboratory experiments, Started As: Sophomore TAMU Petroleum Eng. Student

Spring 2014 Activity Advised/Mentored: Thermal Enhanced Oil Recovery Research, Undergraduate Name: Niraj Shah**, Description: Conducting Laboratory experiments, Started As: Sophomore TAMU Petroleum Eng. Student

Summer-Fall 2014 Activity Advised/Mentored: Thermal Enhanced Oil Recovery Research, Undergraduate Name: Jun Yeoh**, Description: Conducting Laboratory experiments, Started As: Junior TAMU Petroleum Eng. Student

Summer 2014	Activity Advised/Mentored: Thermal Enhanced Oil Recovery Research, Undergraduate Name: Jennifer Nguyen**, Description: Conducting Laboratory experiments, Started As: Junior TAMU Petroleum Eng. Student
Fall 2014	Activity Advised/Mentored: Thermal Enhanced Oil Recovery Research, Undergraduate Name: Matthew Lee Kozlowski*, Description: Conducting Laboratory experiments, Started As: Junior TAMU Petroleum Eng. Student
Fall 2013	Activity Advised/Mentored: Thermal Enhanced Oil Recovery Research, Undergraduate Name: Matthew Williamson**, Description: Conducting Laboratory experiments, Started As: Sophomore TAMU Petroleum Eng. Honor Student
Summer 2013	Activity Advised/Mentored: Thermal Enhanced Oil Recovery Research, Undergraduate Name: Anderson Morrow**, Description: Conducting Laboratory experiments, Started As: Junior TAMU Petroleum Eng. Student
Fall 2013 -Current	Number of Undergraduate(s): 30, Description: Research on enhanced oil recovery methods and flow assurance

Graduate Advising (Continuing: 5 PhD, 3 MS, and 2 MEng; Graduated: 8 PhD, 15 MS, and 3 MEng)

PhD Chair AS: Academic Standing (8 Phd Graduated 6 PhD continuing)

Fall 2023 – Ongoing (fully funded by Dr. Hascakir’s research fund)

Status: AS - Active, Student Name: Murad Hajiyev, Program: PHD, Degree: PHD, Major: Petroleum Engineering [Role: Chair]

Spring 2023 – Ongoing (fully funded by Dr. Hascakir’s research fund)

Status: AS - Active, Student Name: Leila Karabayanova Program: PHD, Degree: PHD, Major: Petroleum Engineering [Role: Chair]

Fall 2022 – Ongoing (fully funded by Dr. Hascakir’s research fund)

Status: AS - Active, Student Name: Mohamed Gamal Mohamed Abdalla Program: PHD, Degree: PHD, Major: Multidisciplinary Engineering [Role: Chair]

Summer 2021 – Ongoing (fully funded by Dr. Hascakir’s research fund)

Status: AS - Active, Student Name: Tanya Ann Matthews Program: PHD, Degree: PHD, Major: Petroleum Engineering [Role: Chair]

Summer 2020 – Ongoing (fully funded by Dr. Hascakir’s research fund)

Status: AS - Active, Student Name: Jairo Alex Cortes, Program: PHD, Degree: PHD, Major: Petroleum Engineering [Role: Chair]

Spring 2016 - Ongoing

Status: AS - inactive, Student Name: Roly Simangunsong Program: PHD, Degree: PHD, Major: Petroleum Engineering [Role: Chair]

Spring 2019 – Summer 2022

Student Name: Abinash Barooah, Program: PhD, Degree: PhD, Major: Petroleum Engineering, Graduation Date: August 2022 [Role: Chair]

Spring 2016 – Fall 2020 (fully funded by Dr. Hascakir’s research fund)

Student Name: Lifu Zhang, Program: PhD, Degree: PhD, Major: Department of Geology & Geophysics, Graduation Date: December 2022 [Role: CoChair] Co Advised by Dr. Mike Tice but fully supported by Dr. Hascakir

Fall 2015 – Fall 2019 (Sponsored but PhD work/experimental studies fully funded by Dr. Hascakir’s research fund)

Student Name: Murtdha Alshaikh, Program: PhD, Degree: PhD, Major: Petroleum Engineering, Graduation Date: December 2019 [Role: Chair]. Murtdha is a Reservoir Engineer in Saudi Aramco

Fall 2016 – Fall 2019 (fully funded by Dr. Hascakir’s research fund)

Student Name: Matthew Morte, Program: PhD, Degree: PhD, Major: Petroleum Engineering, Graduation Date: December 2019 [Role: Chair]. Matthew is an instructor at Texas A&M University

Fall 2015 – Fall 2019 (Sponsored but PhD work/experimental studies fully funded by Dr. Hascakir’s research fund)

Student Name: Norasyikin Ismail, Program: PhD, Degree: PhD, Major: Multidisciplinary Engineering, Graduation Date: December 2019 [Role: Chair]. Nora is an instructor at Universiti Malaysia Pahang

Fall 2015 – Summer 2017 (fully funded by Dr. Hascakir’s research fund)

Student Name: Taniya Kar, Program: PhD, Degree: PhD, Major: Petroleum Engineering, Graduation Date: August 2017 [Role: Chair]. Tanya completed part of her PhD classes during her MS studies. Tanya is a postdoctoral researcher at Reservoir Engineering Research Institute.

Summer 2015 – Spring 2017 (fully funded by Dr. Hascakir’s research fund)

Student Name: Abhishek Punase, Program: PhD, Degree: PhD, Major: Petroleum Engineering, Graduation Date: May 2017 [Role: Chair]. Abhishek is a Flow Assurance engineer at Clariant Corporation

Fall 2013 – Fall 2016 (fully funded by Dr. Hascakir’s research fund)

Student Name: Sudiptya Banerjee, Program: PhD, Degree: PhD, Major: Petroleum Engineering, Graduation Date: December 2016 [Role: Chair]. Sudiptya is a research associate in Completions SME.

MS Chair AS: Academic Standing (15 MS graduated 3 MS continuing)

Spring 2023 – Ongoing (fully funded by Dr. Hascakir’s research fund)

Status: AS - Active, Student Name: Mariam Hernandez Madero, Program: MS, Degree: MS, Major: Petroleum Engineering [Role: Chair]

Spring 2023 – Ongoing (fully funded by Dr. Hascakir’s research fund)

Status: AS - Active, Student Name: Eduardo Orozco Morales, Program: MS, Degree: MS, Major: Petroleum Engineering [Role: Chair]

Fall 2021 – Ongoing (fully funded by Dr. Hascakir’s research fund)

Status: AS - Active, Student Name: Paul Azzu, Program: MS, Degree: MS, Major: Petroleum Engineering [Role: Chair]

Spring 2020 – Fall 2021 (Sponsored but MS work/experimental studies fully funded by Dr. Hascakir’s research fund)

Student Name: Damir Kaishentayer, Program: MS, Degree: MS, Major: Petroleum Engineering, Graduation Date: December 2021 [Role: Chair]. Damir is a PSSR coordinator in Kazakhstan.

Fall 2019 – Spring 2021 (fully funded by Dr. Hascakir’s research fund)

Student Name: Tanya Ann Matthews, Program: MS, Degree: MS, Major: Petroleum Engineering, Graduation Date: May 2021 [Role: Chair]. Tanya is a PhD student in my group.

Fall 2016 – Spring 2019 (Sponsored but MS work/experimental studies fully funded by Dr. Hascakir’s research fund)

Student Name: Michael (Huaiqi) Liao, Program: MS, Degree: MS, Major: Petroleum Engineering, Graduation Date: May 2018 [Role: Chair]. Mike is a Design Engineer at FPL and Associates in California.

Spring 2018 – Summer 2018 (Sponsored but MS work/experimental studies fully funded by Dr. Hascakir’s research fund)

Student Name: Alwin Ng, Program: MS, Degree: MS, Major: Petroleum Engineering, Graduation Date: August 2018 [Role: Chair]. Alwin was an undergraduate-honor student, in his senior year as an undergraduate student, he started to do his MS research and he took several graduate level classes, and he was able to obtain his MS degree in two semesters only. Alwin is an engineer in Executive Wells Technical Limit-Offshore at Petronas.

Fall 2015 – Summer 2016 (fully funded by Dr. Hascakir’s research fund)

Student Name: Matthew Morte, Program: MS, Degree: MS, Major: Petroleum Engineering, Graduation Date: August 2016 [Role: Chair]. After completing his PhD under my supervision, Matthew is now an instructor at Texas A&M University.

Summer 2015 – Spring 2016 (fully funded by Dr. Hascakir’s research fund)

Student Name: Andreas Prakoso, Program: MS, Degree: MS, Major: Petroleum Engineering, Graduation Date: May 2016 [Role: Chair]. Andreas was an undergraduate-honor student, in his senior year as an undergraduate student, he started to do his MS research and he took several graduate level classes, and he was able to obtain his MS degree in three semesters only. Andreas is now an energy consultant in Accenture in Indonesia.

Fall 2014 – Spring 2016 (Sponsored but MS work/experimental studies fully funded by Dr. Hascakir’s research fund)

Student Name: Philip Stape, Program: MS, Degree: MS, Major: Petroleum Engineering, Graduation Date: May 2016 [Role: Chair]. Philip is a PhD Student at Universidade Federal in Rio de Janeiro, Brazil.

Fall 2014 – Spring 2016 (Sponsored but MS work/experimental studies fully funded by Dr. Hascakir’s research fund)

Student Name: Raphael Coelho, Program: MS, Degree: MS, Major: Petroleum Engineering, Graduation Date: May 2016 [Role: Chair]. Raphael is a reservoir engineer in PRIO in Brazil.

Fall 2013 – Summer 2015 (fully funded by Dr. Hascakir’s research fund)

Student Name: Taniya Kar, Program: MS, Degree: MS, Major: Petroleum Engineering, Graduation Date: August 2015 [Role: Chair]. Tanya is a postdoctoral researcher at Reservoir Engineering Research Institute.

Fall 2013 – Summer 2015 (fully funded by Dr. Hascakir’s research fund)

Student Name: Maaz Ali, Program: MS, Degree: MS, Major: Petroleum Engineering, Graduation Date: August 2015 [Role: Chair]. Maaz is a reservoir engineer in Area Energy LLC in California.

Fall 2013 – Spring 2015 (fully funded by Dr. Hascakir’s research fund) Co Advised by Dr. Robert Lane

Student Name: Zade R. Satter, Program: MS, Degree: MS, Major: Petroleum Engineering, Graduation Date: May 2015 [Role: Chair]. Zade is a reservoir engineer in J.P. Morgan.

Fall 2012 – Fall 2014 (Sponsored but MS work/experimental studies fully funded by Dr. Hascakir’s research fund)

Student Name: Yasin Unal, Program: MS, Degree: MS, Major: Petroleum Engineering, Graduation Date: December 2014 [Role: Chair]. Yasin is a senior production engineer at Turkish Petroleum Corporation (TPAO).

Fall 2012 – Fall 2013 (Sponsored but MS work/experimental studies fully funded by Dr. Hascakir’s research fund)

Student Name: Albina Mukhametshina (Tsyshkova), Program: MS, Degree: MS, Major: Petroleum Engineering, Graduation Date: December 2013 [Role: Chair]. Albina is a PhD student at Khalifa university in Abu Dhabi in UAE.

Fall 2012 – Fall 2013 (Sponsored but MS work/experimental studies fully funded by Dr. Hascakir’s research fund)

Student Name: Philipp Kudryavtsev, Program: MS, Degree: MS, Major: Petroleum Engineering, Graduation Date: December 2013 [Role: Chair]. Philipp is a project manager at Lukoil in Russia.

Fall 2012 – Spring 2013 (Sponsored but MS work/experimental studies fully funded by Dr. Hascakir’s research fund)

Student Name: Denis Aleksandrov, Program: MS, Degree: MS, Major: Petroleum Engineering, Graduation Date: May 2013 [Role: Chair]. Denis is a Deputy Head of CETS at Vat'yegan Oilfield, Production at Lukoil-Russia.

MEng Chair AS: Academic Standing (3 students graduated and 2 ongoing)

Fall 2017 – Ongoing

Status: AS - Active, Student Name: Frank Snell, Program: MEng, Degree: MS, Major: Petroleum Engineering [Role: Co-Chair]

Fall 2016 – Ongoing

Status: AS - Active, Student Name: Harry Liu, Program: MEng, Degree: MS, Major: Petroleum Engineering [Role: Chair]

Fall 2016 – Ongoing

Status: AS - inactive, Student Name: Kevin Volz, Program: MEng, Degree: MS, Major: Petroleum Engineering [Role: Chair]

Summer 2019 – Fall 2022 Co Advised by Dr. Ding Zhu

Student Name: Brittany L. Black, Program: MEng, Degree: MEng, Major: Petroleum Engineering, Graduation Date: August 2022 [Role: Co-Chair].

Fall 2015 – Summer 2019

Student Name: Scott James Badham, Program: MEng, Degree: MEng, Major: Petroleum Engineering, Graduation Date: August 2019 [Role: Chair].

Fall 2016 – Fall 2017

Student Name: Olivier Henri Armand Lancon, Program: MEng, Degree: MEng, Major: Petroleum Engineering, Graduation Date: December 2017 [Role: Chair].

Fall 2015 – Spring 2016

Student Name: Katherine Pettengel, Program: MEng, Degree: MEng, Major: Petroleum Engineering, Graduation Date: May 2016 [Role:Chair].

Member: 16 PhD (3 outside department at A&M and 5 international), 15 MS (6 outside department at A&M and 2 international), 2 MEng

Student Name: Viacheslau Kudrashou, Program: PHD, Degree: PHD, Major: Petroleum Engineering [Role: Committee Member]

Student Name: Omer Kaldirim, Program: PHD, Degree: PHD, Major: Petroleum Engineering [Role: Committee Member]

Student Name: Xiaona Cui, Program: PHD, Degree: PHD, Major: Petroleum Engineering [Role: Committee Member]

Student Name: Paul Ofoche, Program: PHD, Degree: PHD, Major: Petroleum Engineering [Role: Committee Member]

Student Name: Mohammed Almobarky, Program: PHD, Degree: PHD, Major: Petroleum Engineering [Role: Committee Member]

Student Name: Hessah Alrashidi, Program: PHD, Degree: PHD, Major: Petroleum Engineering [Role: Committee Member]

Student Name: Omar S. Mahmoud, Program: PHD, Degree: PHD, Major: Petroleum Engineering [Role: Committee Member]

Student Name: Ahmed M. Ibrahim, Program: PHD, Degree: PHD, Major: Petroleum Engineering [Role: Committee Member]

Student Name: Jun Hong Clarence Ng, Program: PHD, Degree: PHD, Major: Petroleum Engineering [Role: Committee Member]

Student Name: Ahmed Sherwali, Program: PHD, Degree: PHD, Major: Department of Electrical and Computer Engineering, University of British Columbia, Vancouver Canada [Role: Committee Member]

Student Name: Yamin Wang, Program: PHD, Degree: PHD, Major: Minerals and Energy Resources, University of New South Wales, Australia [Role: Committee Member]

Student Name: Jingyi Guo, Program: PHD, Degree: PHD, Major: Geology& Geophysics, Texas A&M University [Role: Committee Member]

Student Name: Sebastian Smith, Program: PHD, Degree: PHD, Major: Geology& Geophysics, Texas A&M University [Role: Committee Member]

Student Name: Konstantinos Christou, Program: PHD, Degree: PHD, Major: School of Eng., The University of Aberdeen, UK [Role: Committee Member]

Student Name: Robert Geiger, Program: PHD, Degree: PHD, Major: Mechanical Engineering, Texas A&M University [Role: Committee Member]

Student Name: Mehdi Majdi Yazdi, Program: PHD, Degree: PHD, Major: University of Calgary, Canada [Role: Committee Member]

Student Name: Hongcai Wang, Program: PHD, Degree: PHD, Major: Curtin University, Australia [Role: Committee Member]

Student Name: Jingjing Zhang, Program: MS, Degree: MS, Major: Petroleum Engineering [Role: Committee Member]

Student Name: Tuan Phi, Program: MS, Degree: MS, Major: Petroleum Engineering [Role: Committee Member]

Student Name: Candan Unal, Program: MS, Degree: MS, Major: Petroleum Engineering [Role: Committee Member]

Student Name: Thanakrich Pummarapanthu, Program: MS, Degree: MS, Major: Petroleum Engineering [Role: Committee Member]

Student Name: Erick Martinez Antunez, Program: MS, Degree: MS, Major: Petroleum Engineering [Role: Committee Member]

Student Name: Salar Afra, Program: MS, Degree: MS, Major: Petroleum Engineering [Role: Committee Member]

Student Name: Aymen Abduljalil Jafar Alramadhan, Program: MS, Degree: MS, Major: Petroleum Engineering [Role: Committee Member]

Student Name: Noah Miller, Program: MS, Degree: MS, Major: Geology& Geophysics, Texas A&M University [Role: Committee Member]

Student Name: Jingyi Guo, Program: MS, Degree: MS, Major: Geology& Geophysics, Texas A&M University [Role: Committee Member]

Student Name: Tyler F. Hussey, Program: MS, Degree: MS, Major: Civil Engineering, Texas A&M University [Role: Committee Member]

Student Name: Ahmet Unal, Program: MS, Degree: MS, Major: Geology& Geophysics, Texas A&M University [Role: Committee Member]

Student Name: Harika Rao Damarla, Program: MS, Degree: MS, Major: Mechanical Engineering, Texas A&M University [Role: Committee Member]

Student Name: Celal Bilgi, Program: MS, Degree: MS, Major: Electrical Engineering, Texas A&M University [Role: Committee Member]

Student Name: Selin Guven, Program: MS, Degree: MS, Major: Middle East Technical University, Turkey [Role: Committee Member]

Student Name: Ahmet Birkan Demir, Program: MS, Degree: MS, Major: West Virginia University, Turkey [Role: Committee Member]

Student Name: Adrian Sukal, Program: MEng, Degree: MEng, Major: Petroleum Engineering [Role: Committee Member]

Student Name: Hammad A. Irshad, Program: MEng, Degree: MEng, Major: Petroleum Engineering [Role: Committee Member]

Professional Students/Interns/Residencies Advising

Summer 2019	Professional Mentee Name: Rohit Singh, Department/Program: Indian Institute of Technology (IITs), Professional Mentee Position: Undergraduate Student-Intern
Summer 2019	Professional Mentee Name: Connor Pope, Department/Program: NSF Scholar from University of Rochester, Professional Mentee Position: Undergraduate Student-Intern
Spring 2019	Professional Mentee Name: Yeh Seng Lee, Department/Program: Universiti Teknologi Petronas, Malaysia, Professional Mentee Position: Undergraduate Student-Intern
Summer 2018	Professional Mentee Name: John Siu, Department/Program: NSF Scholar from University of Rochester, Professional Mentee Position: Undergraduate Student-Intern
Summer 2017	Professional Mentee Name: Elizabeth Seber, Department/Program: NSF Scholar from Pennsylvania State University, Professional Mentee Position: Undergraduate Student-Intern
Summer 2017	Professional Mentee Name: Farooq Muhammad Zia, Department/Program: REU Scholar from Texas A&M University Qatar Campus, Professional Mentee Position: Undergraduate Student-Intern

Summer 2016 Professional Mentee Name: Philipos Melake, Department/Program: Petroleum Engineering Department at Texas A&M University College Station Campus, Professional Mentee Position: Undergraduate Student-Intern

Summer 2016 Professional Mentee Name: Pedram Bakhtiari Nezhad, Department/Program: Petroleum Engineering Department at Texas A&M University College Station Campus, Professional Mentee Position: Undergraduate Student-Intern

December 2015 Professional Mentee Name: Ahmet Birkan Demir, Department/Program: Department of Petroleum and Natural Gas Engineering, West Virginia University, Professional Mentee Position: MS Student-Visiting

Summer 2015 Professional Mentee Name: Ryan Reyna, Department/Program: Petroleum Engineering Department at Texas A&M University College Station Campus, Professional Mentee Position: Undergraduate Student-Intern

Summer 2015 Professional Mentee Name: Hasun D. Kim, Department/Program: Petroleum Engineering Department at Texas A&M University College Station Campus, Professional Mentee Position: Undergraduate Student-Intern

Summer 2015 Professional Mentee Name: Catherine E. Sparkes, Department/Program: Petroleum Engineering Department at Texas A&M University College Station Campus, Professional Mentee Position: Undergraduate Student-Intern

Summer 2014 Professional Mentee Name: Jun Yeoh, Department/Program: Petroleum Engineering Department at Texas A&M University College Station Campus, Professional Mentee Position: Undergraduate Student-Intern

Summer 2014 Professional Mentee Name: Jennifer Nguyen, Department/Program: Petroleum Engineering Department at Texas A&M University College Station Campus, Professional Mentee Position: Undergraduate Student-Intern

January-April 2014 Professional Mentee Name: Selin Guven, Department/Program: Petroleum and Natural Gas Engineering Department, Middle East Technical University, Ankara, Turkey, Professional Mentee Position: MS Student-Visiting

Summer 2013 Professional Mentee Name: Anderson Morrow, Department/Program: Petroleum Engineering Department at Texas A&M University College Station Campus, Professional Mentee Position: Undergraduate Student-Intern

Faculty Mentoring (nonstudents)

2019-2021 ADVANCE Science Scholars, Mentoring Junior Female Faculty in College of Science, Texas A&M University

2019-2021 Mentee Name: Tiandong Wang, Department: Statistics at Texas A&M University, Mentee Position: Assistant Professor

2015-2016 Junior Faculty Mentoring, at Petroleum Engineering Department, Texas A&M University

2015- Continuing Volunteer for Women in Engineering (WE) at Texas A&M University

2015-2016 The Academy of Future Faculty (AFF) at Texas A&M University

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

2013-Continuing Society of Petroleum Engineers (SPE) Mentoring Program

Summer 2012 WITSON to encourage women's education in science and engineering

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 (44 Published and 4 under review)

1. 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](#).
2. 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](#).
3. 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](#)
4. 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](#)

5. 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](#)
6. Kar, T.* , **Hascakir, B.**, Effect of Clay Type on Emulsion Formation in Steam and Solvent-Steam Flooding, *SPE Journal*, SPE 205363-PA. [LINK](#)
7. 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](#)
8. 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](#)
9. 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](#)
10. Bealesio, 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*, Article in Press. [LINK](#)
11. Ismail, N.* , **Hascakir, B.**, Impact of Asphaltenes and Clay Interaction on In-Situ Combustion Performance, *Fuel*, 2020, Volume 268-15, 117358. [LINK](#)
12. 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](#)
13. 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](#)
14. 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](#)
15. **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](#)
16. 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](#)

17. 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](#)
18. 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](#)
19. 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](#)
20. 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](#)
21. 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](#)
22. **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](#)
23. 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](#)
24. 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](#)
25. 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](#)
26. 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](#)
27. 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](#)
28. 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](#)

29. 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**
30. 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](#)
31. **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](#)
32. 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](#)
33. 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](#)
34. 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](#)
35. 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](#)
36. 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](#)
37. **Hascakir, B.**, Ross, C., Castanier, L. Kovscek, 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](#)
38. **Hascakir, B.**, Glatz, G., Castanier, L. Kovscek, A. † , In-Situ Combustion Dynamics Visualized with X-Ray Computed Tomography, *SPE Journal*, Volume 16, Issue 3, 524-536, 2011, SPE 135186-PA. [LINK](#)
39. Cinar, M., **Hascakir, B.**, Castanier, L. Kovscek, 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](#)

40. **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](#)
41. **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](#)
42. **Hascakir, B.**, Acar, C., Akin, S.[†], Microwave Assisted Heavy Oil Production: An Experimental Approach, *Energy and Fuels*, 23(12), 6033-6039, 2009. [LINK](#)
43. **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](#)
44. **Hascakir, B.**, Dolgen, D.[†], Utilization of Clay Minerals in Wastewater Treatment: Organic Matter Removal with Kaolinite, *Ekoloji*, 66 (6), 47-54, 2008 (Turkish). [LINK](#)

In Press

45. 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.
46. Morte, M.^{*}, **Hascakir, B.**, Characterizing the Sensitivity of Dielectric Response in Reservoirs with Varying Lithology and Fluid Saturation, *SPE Journal*, Decision made: Revision.
47. Punase, A.^{*}, **Hascakir, B.**, Effect of Electrical Charges on Asphaltenes Stability, *SPE Journal*, Decision made: Revision.
48. Punase, A.^{*}, Prakosa, A.^{*}, **Hascakir, B.**, Effect of Solid-Solid Interactions between Asphaltenes and Reservoir Rock Minerals on Overall Asphaltenes Stability, *Fuel*, Decision made: Revision.

Conference Proceedings (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)

Completed/Published (114 Conference Proceeding)

1. Mathews, T.^{*}, **Hascakir B.**, Use of Evaporative Cooling for The Treatment of High Salinity Oil Field Waters, *SPE Annual Technical Conference and Exhibition (ATCE 2023)*, 16 - 18 October 2023, San Antonio, Texas, USA, SPE-214932-MS.

2. Mathews, T.* , Azzu, P.* , **Hascakir B.**, Effective Extraction of a Heavy Oil Resource by an Environmentally Friendly Green Solvent: Limonene. *SPE Annual Technical Conference and Exhibition (ATCE 2022)*, 3 - 5 October 2022, Houston, Texas, USA, SPE-210138-MS [LINK](#)
3. Mathews, T.* , **Hascakir B.**, Reinjection of Produced Water with High Salinity After Applying a Novel Treatment Method, *SPE Annual Technical Conference and Exhibition (ATCE 2022)*, 3 - 5 October 2022, Houston, Texas, USA, SPE-210206-MS. [LINK](#)
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101. **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](#)
102. **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](#)
103. 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.
104. 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.

105. **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).
106. **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.
107. **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.
108. **Hascakir, B.**, Dolgen, D.[†], Evaluation of Treatment Efficiencies of Kaolinite for Various Wastewater Samples, *Bridging Clays*, Ile d'Oléron, FRANCE, June 2006.
109. **Hascakir, B.**, Hydraulic Potential of Turkey, *3rd Aegean Energy Symposium*, Mugla, TURKEY, May 2006 (Turkish).
110. **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).
111. **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).
112. **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.
113. 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).
114. **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 (2 Editor-in-chief positions- career total 4 Editor-in-chief positions; ADVANCE Administrative Fellow position, several editorial duties, several conference committee membership)

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
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
December 2021-Present	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
October 2021-Present	Committee Name/Activity: Cedric K Ferguson Medal Subcommittee, Organization: The Society of Petroleum Engineering (SPE), Service Type: International , Service Role: Member, Regionality: International
August 2021-Present	Committee Name/Activity: Fuel, Organization: Elsevier, Service Type: Editorial, Service Role: Principal Associate Editor Regionality: International
2021-Present	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
2019-Present	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
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
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: 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

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 (40 invitations: 21 of them are after tenure)

June 2023	Date: 2023-6-19, Presentation Title: New Trends in Petroleum Engineering, Location (City, State/Province, Country): Kuantan, Malaysia, Role: Keynote , 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): 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.
- 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) (~22 CEU after tenure and ~29 CEU before tenure at A&M, ~ 60 CEU in Career total)

- 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: \$55,466,181, Hascakir's Contribution: \$2,568,491, Pending: \$2,544,692) * sources did not include to total amount and to the Hascakir's contribution. ** is after tenured date, ^ received after tenure package submission date, # was not counted towards tenure.

Title	Collaborators	Funding Agency-Sponsor	Start Date	End Date	Total Funding	Status	% Effort Contributed	Internal / External	Research \$ attributed to faculty member
Carbon Capture*	Berna Hascakir-PI	NOAA	Sep-23	Aug-26	1,894,692	Pending	100	External	1,290,000
In-situ Combustion*	Berna Hascakir-PI	Saudi Aramco	Sep-23	Aug-26	450,000	Pending	100	External	450,000
Transport processes in petroleum pros.*	Berna Hascakir-PI	DOI-BSEE	Sep-23	Aug-24	420,000	Pending	47.6	External	200,000
In-situ Combustion**	Berna Hascakir-PI	Hunt Energy	Oct-22	Aug-24	350,000	Funded	100	External	350,000
Oil Field water management**	Berna Hascakir-PI	University Lands	Dec-22	Jun-23	244,448	Funded	100	External	244,448
Gift **	Berna Hascakir-PI	ST Oil Company LLC	Apr-22	Apr-22	55,000	Gift	100	External	55,000
Evaporative Cooling for water treatment**	Berna Hascakir-PI	Red Sea Farms	Jan-22	Aug-22	35,000	Funded	100	External	35,000
Oil and Gas	Multi PI	OESI-2.0-DOI-BSEE	Sep-21	Aug-26	51,697,972	Gain to access	0.6	External	310,187.83
VisRed for miscible Flooding**	Berna Hascakir-PI	Carbon Chain Technologies	Sep-20	May-20	73,293	Funded	100	External	73,293
In-Situ Combustion*	Berna Hascakir-PI	Aspen Operating Company, LLC	Jan-20	Sep-20	60,000	Executed but Not Funded (neg. oil prices)	100	External	60,000
Miscible Flooding with environmentally friendly solvents**	Berna Hascakir-PI	Chevron	Jan-20	Dec-20	50,000	Funded	100	External	50,000
Oil Field water treatment**	Mukul Bhatia-PI	University Lands	Sep-19	Dec-22	744,542	Funded	16	External	119,126.72
Gift**	Berna Hascakir-PI	Carbon Chain Technologies	Jun-18	Jul-18	41,000	Gift	100	External	41,000
Downhole Steam generator**	Berna Hascakir-PI	ECB, LLC	Oct-17	Mar-18	30,000	Funded	50	External	15,000
Water-Rock interactions#	Berna Hascakir-PI	Crisman	Sep-17	Sep-19	100,000	Funded	100	External	100,000
Electromagnetic Wave penetration in an oil well^	Berna Hascakir-PI	Litezon	Apr-17	Apr-18	100,000	Funded	100	External	100,000
Solvent-Steam processes^	Berna Hascakir-PI	Chevron	Mar-17	Mar-18	20,000	Funded	100	External	20,000
Asphaltenes Stabilizers^	Berna Hascakir-PI	Clariant	Mar-17	Apr-17	30,000	Funded	100	External	30,000
REU-Energy Repulsion#	Eric L. Petersen-PI	NSF	Jun-17	Sep-19	443,921	Funded	3.4	External	15,000
Water-Rock interactions in Eagle Ford#	Berna Hascakir-PI	Berg-Hughes Center	Jan-16	Dec-19	204,913	Funded	50	External	102,456.50
Solvent-Steam Processes	Berna Hascakir-PI	Chevron	Jan-16	Jan-17	20,000	Funded	100	External	20,000
Summer support#	Berna Hascakir-PI	Crisman	Jun-15	Sep-15	25,000	Funded	100	External	25,000
In-Situ Combustion	John Killough-PI	Skoltech University	Jan-14	Dec-15	610,984.72	Funded	16.4	External	100,201.49
Solvent-Steam Processes	Berna Hascakir-PI	Chevron	Jan-15	Jan-16	20,000	Funded	100	External	20,000
Asphaltenes Stability	Berna Hascakir-PI	SPE-Junior Faculty Grant	Jan-15	Jan-17	100,000	Funded	100	External	100,000
SPE Travel Grant#	Berna Hascakir-PI	SPE Faculty Enhancement Travel Grant for the Gulf Coast North America Region	Jan-15	Dec-15	2,000	Travel Grant	100	External	2000
SPE Travel Grant#	Berna Hascakir-PI	SPE Faculty Enhancement Travel Grant for the Gulf Coast North America Region	Jan-14	Dec-14	2,000	Travel Grant	100	External	2000
Emulsion formation and mechanism	Berna Hascakir-PI	Pacific Rubiales	Nov-13	Nov-14	150,000	Funded	100	External	150,000
Gift	Berna Hascakir-PI	Cenovus	Oct-13	Oct-13	99,000	Funded	100	External	99,000

Hydraulic Fracturing water-rock interactions#	Robert Lane-PI	Crisman	Sep-13	Sep-15	137,555	Gift	50	External	68,777.50
Senior Reservoir Engineering Consultancy paid to Schlumberger#	Berna Hascakir-PI	Pacific Rubiales Energy	Jan-2012	April 2012	300,000	Consultancy	100	External	300,000
Visiting PhD Scholar for 6 months in Canada#	Berna Hascakir-PI	Future Faculty Member Training Program	Sep-2007	Mar-2008	9,000	Scholarship	100	External	9,000
Visiting PhD Scholar for 6 months in Canada#	Berna Hascakir-PI	The Scientific & Technological Research Council of Turkey	Sep-2007	Mar-2008	9,000	Scholarship	100	External	9,000
Travel Grant to attend conference in China#	Berna Hascakir-PI	The Scientific & Technological Research Council of Turkey	Jan-2006	Dec-2006	3,000	Travel Grant	100	External	1,500
Travel Grant to attend conference in France#	Berna Hascakir-PI	Clay Mineral Society	Jan-2006	Dec-2006	3,000	Travel Grant	100	External	1,500