

Qatar National Research Fund					
#	Project Number	Project Title	Lead Investigator	Project Status	Submitting Institution
	2088 PDRA7-0414-21006	Piston reactor for nanoparticle synthesis	Dr. Ma'moun Al-Rawashdeh	Award Active	Texas A&M University at Qatar
	1949 NPRP-BSRA01-0422-210050	The next phase of the High Energy Physics Program in Qatar: The High Luminosity LHC	Prof. Othmane Bouhali	Award Active	Texas A&M University at Qatar
	1691 NPRP13S-0208-200303	Reactor Innovation for a Low Carbon Process to Upgrade Methane to Chemicals and Hydrogen	Dr. Ma'moun Al-Rawashdeh	Award Active	Texas A&M University at Qatar
	1592 NPRP12S-0304-190222	Semi-Continuous Reactor Engine	Dr. Ma'moun Al-Rawashdeh	Award Active	Texas A&M University at Qatar
	3602 UREP19-136-1-023	Simulation of charged particle detectors for future upgrades of the CMS experiment at the Large Hadron Collider	Prof. Othmane Bouhali	Award Closed	Texas A&M University at Qatar
	3497 UREP 16 - 132 - 1 - 020	Investigation of the performances of the Gas Electron Multiplier for collider experiments	Prof. Othmane Bouhali	Award Closed	Texas A&M University at Qatar
	3407 UREP 14 - 051 - 2 - 014	Understanding the Role of Aromatics in Synthetic Jet Fuel- Experimentation, Statistical Analysis and Visualization	Dr. Nimir Elbashir	Award Closed	Texas A&M University at Qatar
	3387 UREP 13 - 150 - 2 - 049	Thermodynamic properties of aqueous electrolyte solutions using the Q-electrolattice equation of state	Prof. Marcelo Castier	Award Closed	Texas A&M University at Qatar
	1298 NPRP 7 - 843 - 2 - 312	Maximizing the Effectiveness of Fischer-Tropsch Fixed-bed Reactor: Tailoring Reaction Media, Catalyst Geometry and Pore Structure	Dr. Nimir Elbashir	Award Closed	Texas A&M University at Qatar
	1271 NPRP 7 - 559 - 2 - 211	Modeling, optimization and dynamic analysis of fixed bed and milli-structured reactors for Fischer-Tropsch synthesis	Dr. Dragomir Bukur	Award Closed	Texas A&M University at Qatar
	672 NPRP 09 - 670 - 2 - 254	Design, manufacturing, and testing of a novel aperture-cavity system for enhanced solar reactor technology	Dr. Nesrin Ozalp	Award Closed	Texas A&M University at Qatar
	3889 UREP27-097-2-028	3D printed structured flow reactors demonstrated for capturing carbon dioxide via amine-based absorber technology	Dr. Ma'moun Al-Rawashdeh	Award Tech. Completed	Texas A&M University at Qatar
	3199 UREP 09 - 132 - 2 - 044	DESIGN, MANUFACTURING AND TESTING OF AN APERTURE MECHANISM FOR A SOLAR REACTOR	Dr. Nesrin Ozalp	Award Tech. Completed	Texas A&M University at Qatar
	3146 UREP 08 - 117 - 2 - 040	DESIGN AND 3D VISUALIZATION OF A SOLAR REACTOR	Dr. Nesrin Ozalp	Award Tech. Completed	Texas A&M University at Qatar
	3058 UREP 07 - 055 - 2 - 012	An Approach to the Design of Advanced Fischer-Tropsch Reactor Technology (Phase I)	Dr. Nimir Elbashir	Award Tech. Completed	Texas A&M University at Qatar
	2943 UREP 04 - 004 - 4 - 030	DESIGN AND MANUFACTURING OF CARBON BLACK FEEDER FOR A SOLAR REACTOR	Dr. Nesrin Ozalp	Award Tech. Completed	Texas A&M University at Qatar
	4010 UREP29-234-1-052	Immobilized Molecular Catalysts for Hydrosilylation of Olefins and Carbonyl Compounds	Dr. Sherzod Madrahimov	Award Active	Texas A&M University at Qatar
	3989 UREP29-155-3-049	Performance study of different scintillation crystals for future Positron Emission Tomography imaging.	Prof. Othmane Bouhali	Award Active	Texas A&M University at Qatar
	121 CWSP22-c-0907-22027	Fourth International Computational Science and Engineering Conference (ICSEC23)	Prof. Othmane Bouhali	Award Active	Texas A&M University at Qatar
	2099 PPM 04-0131-200019	Early diagnosis of proteinopathies using massively parallel nano-spectroscopy with single-molecule sensitivity. Advanced clinical diagnostics for the development of personalized medicine.	Prof. Milivoj Belic	Award Active	Texas A&M University at Qatar
	1718 NPRP14S-0328-210106	Hydrogen production from tri-reforming of methane coupled with a novel membrane separation unit	Dr. Nimir Elbashir	Award Active	Texas A&M University at Qatar
	1715 NPRP14S-0321-210080	Machine Learning Approach for Single Phase and Multiphase Flow Leak Detection and Monitoring in Onshore/Offshore Pipelines and Subsurface Sequestration Sites.	Dr. Mohammad Rahman	Award Active	Texas A&M University at Qatar
	1697 NPRP13S-0213-200353	New Class of Metal Organic Framework Immobilized Catalysts for Preparation of Linear α -Olefins	Dr. Sherzod Madrahimov	Award Active	Texas A&M University at Qatar
	1677 NPRP13S-0205-200258	Quantum network communication and computation using continuous variables	Prof. Hyunchul Nha	Award Active	Texas A&M University at Qatar
	1673 NPRP13S-0203-200242	Data-Driven Process Monitoring of Gas-to-Liquid Plants	Prof. Mohamed Nounou	Award Active	Texas A&M University at Qatar
	1648 NPRP13S-0121-200126	Self-generated spatiotemporal nanostructuring of laser light applied to energy transport via econfigurable guiding networks in nanophotonics, solids, and soft matter	Prof. Wieslaw Krolikowski	Award Active	Texas A&M University at Qatar
	1638 NPRP13S-0114-200074	Towards Intelligent Monitoring and Efficient Operation of Steam Methane Reformers	Prof. Bilal Mansoor	Award Active	Texas A&M University at Qatar
	1594 NPRP12S-0304-190227	Intrinsically Stable Plastic Energy Harvesting Materials: Thermodynamically Stable All-Polymer Devices	Dr. Mohammed Al-Hashimi	Award Active	Texas A&M University at Qatar
	1587 NPRP12S-0302-190194	Digital Core Analysis for Qatari Carbonate Reservoir Characterization (QCRC)	Dr. Thomas Seers	Award Active	Texas A&M University at Qatar
	1555 NPRP12S-0209-190064	Innovative Asymmetric Mixed Matrix Hollow Fiber Membranes for Gas Mixture Separation	Prof. Ioannis Economou	Award Active	Texas A&M University at Qatar
	1547 NPRP12S-0131-190024	Hydrogen Production from Seawater electrolysis using Highly Selective Earth-Abundant Catalysts and Membraneless Electrolyzer	Prof. Ahmed Abdel-Wahab	Award Active	Texas A&M University at Qatar
	1510 NPRP11S-1208-170073	Creating Benchmark Cooling Load Profiles for the District-Cooling Providers in Qatar for Efficient Planning Operation and Energy Storage	Prof. Ibrahim Hassan	Award Active	Texas A&M University at Qatar
	1499 NPRP11S-1126-170029	Development of a cement repository to monitor long-term cement properties to minimize well integrity incidents and environmental impact of oil, gas and underground storage reservoirs	Dr. Mahmood Amani	Award Active	Texas A&M University at Qatar
	1471 NPRP11S-0109-180244	Development of novel test methods to evaluate compatibility of materials for oxygen service under extreme operating conditions	Prof. Bilal Mansoor	Award Active	Texas A&M University at Qatar
	3739 UREP23-131-2-044	Effects of Salinity on Solid Particle Settling Velocity in Non-Newtonian Herschel-Bulkley Fluids	Dr. Mohammad Rahman	Award Closed	Texas A&M University at Qatar
	3667 UREP21-098-2-044	Effect of Nanoparticles on Alternative Fuel Sprays at High-Pressure Conditions	Dr. Kumanan Kannaiyan	Award Closed	Texas A&M University at Qatar
	3647 UREP20-152-2-041	From pore-scale to field-scale understanding of multi-phase flow in Porous Media	Dr. Nayef Alyafei	Award Closed	Texas A&M University at Qatar
	3559 UREP18-129-2-053	Design and manufacturing of a hydrogen permeation cell for hydrogen embrittlement research studies	Prof. Ioannis Economou	Award Closed	Texas A&M University at Qatar
	3320 UREP 12 - 059 - 2 - 024	Investigation of ferrite nanoparticles based fluids for wettability alteration in carbonate reservoirs	Dr. Anuj Gupta	Award Closed	Texas A&M University at Qatar
	3312 UREP 12 - 035 - 2 - 012	Model predictive control of qZSI for PV power conversion with energy storage	Prof. Haitham Abu-Rub	Award Closed	Texas A&M University at Qatar
	3299 UREP 11 - 151 - 2 - 057	Characterization of Synthetic Jet Fuel Blends Derived from Gas-to-Liquid Technology and Properties Correlation with Fuel's Hydrocarbon Structure	Dr. Nimir Elbashir	Award Closed	Texas A&M University at Qatar
	1844 NPRP8-751-1-157	Multipartite Continuous-Variable Correlations for quantum communications	Prof. Hyunchul Nha	Award Closed	Texas A&M University at Qatar
	4018 UREP29-256-1-057	Tumor growth: Modeling, analysis and simulation	Dr. saber Trabelsi	Award Active	Texas A&M University at Qatar
	3 AICCO2-0429-190014	Additive Manufacturing of Concrete for Sustainable Construction using Locally Developed Materials	Dr. Eyad Masad	Award Active	Texas A&M University at Qatar
	4 AICCO2-0505-190022	5G Connected and Photovoltaic Powered Next Generation Greenhouse for Food Security	Prof. Joseph Boutros	Award Active	Texas A&M University at Qatar
	4002 UREP29-190-2-049	Intelligent, Privacy-Preserving Home Activity Monitoring System	Prof. Jim Ji	Award Active	Texas A&M University at Qatar
	3993 UREP29-168-1-037	Self-Healing and Stretchable Next-Generation Nature Enthused Conjugated Organic Polymers for Electronic skin	Dr. Mohammed Al-Hashimi	Award Active	Texas A&M University at Qatar
	8 AICCO4-0809-210014	Autonomous Multi-Layer Resource Management for Critical Infrastructure: Electrical Power/Water/Transportation Nexus	Dr. Morcos Metry	Award Active	Texas A&M University at Qatar
	3946 UREP28-244-2-068	GTL Products: the Quality and the Market	Dr. Nimir Elbashir	Award Active	Texas A&M University at Qatar
	3916 UREP28-061-2-025	Automatic Recognition of Reservoir Models using a Deep Learning Technique	Dr. Albertus Retnanto	Award Active	Texas A&M University at Qatar
	2737 TDF 03-1208-210012	An exoskeleton system for rehabilitation of patients with upper limb impairments	Dr. Reza Tafreshi	Award Active	Texas A&M University at Qatar
	1946 NPRP-BSRA01-0309-210004	Rigidity of CR manifolds and their mappings	Prof. Nordine Mir	Award Active	Texas A&M University at Qatar
	1704 NPRP14C-0920-210017	Proactive Resilience Plan (PReP): An Integrated Framework Applied to Critical Economic Sectors	Dr. Eyad Masad	Award Active	Texas A&M University at Qatar
	1699 NPRP13S-0213-200357	A Fault Tolerant Capacitor-less Power Quality Compensator for Electrical Distribution Systems	Dr. Morcos Metry	Award Active	Texas A&M University at Qatar
	1688 NPRP13S-0207-200290	Data Assimilation in Cancer Modeling – Towards Personalized Mathematical Models of Tumor Growth	Dr. saber Trabelsi	Award Active	Texas A&M University at Qatar
	1661 NPRP13S-0127-200182	Machine Learning-Based Design and Operation of Next Generation Software-Defined Heterogeneous Networks	Prof. Erchin Serpedin	Award Active	Texas A&M University at Qatar
	1655 NPRP13S-0124-200160	Innovative techniques for stabilization of Qatari soils and petroleum drill cuttings using organic polymers	Dr. Eyad Masad	Award Active	Texas A&M University at Qatar
	1640 NPRP13S-0116-200085	Smart asset management system with health degradation identification and remaining useful lifetime estimation in electrical distribution system	Prof. Haitham Abu-Rub	Award Active	Texas A&M University at Qatar
	1580 NPRP12S-0227-190172	Multi-scale Analysis of Capillary Trapping for Improved Oil Recovery and CO2 storage Applications	Dr. Nayef Alyafei	Award Active	Texas A&M University at Qatar
	1574 NPRP12S-0226-190158	Enabling cybersecurity, situational awareness and resilience in distribution grids through smart devices and deep-learning	Prof. Haitham Abu-Rub	Award Active	Texas A&M University at Qatar
	1570 NPRP12S-0221-190127	Enabling Efficient Integration of Electric Vehicles In Qatar's Smart Grid: Planning, Operation, and Cybersecurity	Prof. Erchin Serpedin	Award Active	Texas A&M University at Qatar
	1553 NPRP12S-0205-190047	Photonics with Structured Light for Applications in Communication and Nano-technologies	Prof. Wieslaw Krolikowski	Award Active	Texas A&M University at Qatar
	1548 NPRP12S-0131-190029	4D+ Printing – Form and Function Design in Shape Memory Alloys	Prof. Bilal Mansoor	Award Active	Texas A&M University at Qatar
	1544 NPRP12S-0128-190016	Advanced air dehumidification membranes for energy efficient membrane-based air-cooling process	Dr. Ahmed Abdala	Award Active	Texas A&M University at Qatar
	1541 NPRP12S-0123-190010	A Novel Complex Event Processing System to Augment O&G Recovery in Intelligent Fields under Technical and Geological Uncertainties in Carbonate Reservoirs	Dr. Albertus Retnanto	Award Active	Texas A&M University at Qatar
	1536 NPRP12C-0814-190012	Multi-layer Cybersecurity and Situational Awareness to Enhance Resiliency in Qatar's Power Grid	Prof. Haitham Abu-Rub	Award Active	Texas A&M University at Qatar
	359 GSA9-L-2-0528-22053	A theoretical and experimental investigation of the thermo/photo phoretic phenomena under high solar irradiance levels		Award Active	Texas A&M University at Qatar
	362 GSA9-L-2-0602-22083	Development and Assessment of Novel Air-Dehumidification Membranes for Air-Cooling Application		Award Active	Texas A&M University at Qatar
	470 MME01-0923-190060	Environmental and Hydroponic Strategies to Enhance Tomato Stress Tolerance, Productivity and Quality in Qatar	Dr. Daniel Leskovar	Award Active	Texas A&M University at Qatar
	4026 YSREP 2 - 011 - 2 - 002	Relaying Technologies for Next Generation Mobile Broadband Communication Systems	Dr. Mohammad Shaqfeh	Award Closed	Texas A&M University at Qatar
	3722 UREP23-056-2-028	Graphene Oxide Membrane with Engineered Interlayer Spacing	Dr. Ahmed Abdala	Award Closed	Texas A&M University at Qatar

	3721	UREP23-048-2-023	Development of an Advanced Shock Tube Charging System for Studying Combustion Properties of Liquid GTL Fuels	Dr. Bing Guo	Award Closed	Texas A&M University at Qatar
	3699	UREP22-090-2-037	Design, Construction, and Testing of an Autonomous External Pipeline Inspection Robot	Prof. Mansour Karkoub	Award Closed	Texas A&M University at Qatar
	3695	UREP22-063-2-023	Wellbore Cleaning Prior to Completion Utilizing Surfactant Combination	Dr. Mahmood Amani	Award Closed	Texas A&M University at Qatar
	3688	UREP22-024-1-002	Investigating and addressing photodegradation of conjugated polymers for solar applications	Dr. Mohammed Al-Hashimi	Award Closed	Texas A&M University at Qatar
	3687	UREP22-010-2-005	Investigation the Viability of Nanoparticles in Drilling Fluids as Additive for Fluid Loss and Wellbore Stability	Dr. Albertus Retnanto	Award Closed	Texas A&M University at Qatar
	3646	UREP20-145-2-039	Comprehensive Assessment of Resin Systems as a Combined Solution for Well Integrity Challenge and Unwanted Fluid Shut-off in Carbonate Reservoirs	Dr. Albertus Retnanto	Award Closed	Texas A&M University at Qatar
	3645	UREP20-141-1-030	Water Soluble Metal-organic Frameworks for Pesticide Hydrolysis	Dr. Sherzod Madrahimov	Award Closed	Texas A&M University at Qatar
	3643	UREP20-123-2-032	Development of a Hybrid Heat Sink for Thermal Management of Hot-Spots – Concentrated Photovoltaic Applications	Prof. Ibrahim Hassan	Award Closed	Texas A&M University at Qatar
	3637	UREP20-101-2-029	Highly Efficient Inductive Power Transfer System for Electric Vehicles	Prof. Haitham Abu-Rub	Award Closed	Texas A&M University at Qatar
	3615	UREP19-230-1-044	Polyisobutylene Functionalized Magnetic Nanoparticles for Oil Entrapment From Aqueous Phase.	Dr. Sherzod Madrahimov	Award Closed	Texas A&M University at Qatar
	3594	UREP19-083-2-040	An Investigation of the Factors Affecting Barite Sagging Related to Drilling Fluid Properties	Dr. Mahmood Amani	Award Closed	Texas A&M University at Qatar
	3585	UREP19-032-2-013	Efficient Low Cost Conjugated Polymeric Materials for Solar Energy	Prof. Hassan Bazzi	Award Closed	Texas A&M University at Qatar
	3580	UREP19-010-2-004	Utilization of Nanoparticles to Enhance Hydrocarbon Recovery: An Experimental Study	Dr. Mahmood Amani	Award Closed	Texas A&M University at Qatar
	3563	UREP18-140-2-054	An Electrostatic “Dust Shield” Technology for Mitigation of Photovoltaic Surface Soiling	Dr. Bing Guo	Award Closed	Texas A&M University at Qatar
	3557	UREP18-124-2-051	Effect of moisture content and particle size on the explosive properties of sulfur dusts	Prof. Ioannis Economou	Award Closed	Texas A&M University at Qatar
	3556	UREP18-108-2-045	Development of a Novel Heat Sink with Wavy-Tapered Channels	Prof. Ibrahim Hassan	Award Closed	Texas A&M University at Qatar
	3555	UREP18-107-1-013	Allemony: Learning how to speak Arabic with a mobile game	Prof. Beena Ahmed	Award Closed	Texas A&M University at Qatar
	3554	UREP18-102-2-042	A Novel Experimentation on Demulsifying Crude Oil and Water Emulsions using Ultrasonic Technology	Dr. Mahmood Amani	Award Closed	Texas A&M University at Qatar
	3553	UREP18-099-2-040	Simulation of Emergency Relief from Vessels with Runaway Reactions	Prof. Marcelo Castier	Award Closed	Texas A&M University at Qatar
	3545	UREP18-048-1-008	Spam and Bot Detection in DNS and Twitter Data Traffic	Dr. Hussein Alnuweiri	Award Closed	Texas A&M University at Qatar
	3536	UREP17-172-2-052	Roles of Additives in the Enhancement of the GTL Diesel Fuel Blends	Dr. Nimir Elbashir	Award Closed	Texas A&M University at Qatar
	3531	UREP17-133-2-034	Investigating Effect of Corrosion Inhibition for Water-Based Mud under High Pressure and Temperature	Dr. Mahmood Amani	Award Closed	Texas A&M University at Qatar
	3515	UREP17-045-3-012	Monte Carlo Study of a Clinical PET using the GATE software	Prof. Othmane Bouhali	Award Closed	Texas A&M University at Qatar
	3479	UREP 16 - 024 - 2 - 003	Investigation of Liquid Accumulation and Loading in Big Bore Gas Wells	Dr. Albertus Retnanto	Award Closed	Texas A&M University at Qatar
	3464	UREP 15 - 084 - 2 - 031	DSC analysis of specific heat and surface roughness measurement of concrete utilized at LNG facility of Ras Laffan Emergency and Safety College	Dr. Luc VECHOT	Award Closed	Texas A&M University at Qatar
	3463	UREP 15 - 083 - 2 - 030	Assessing the Impact of Dust on Photovoltaic Power Generation	Dr. Bing Guo	Award Closed	Texas A&M University at Qatar
	3460	UREP 15 - 072 - 2 - 026	Investigation of Aqueous based conformance Polymers in carbonate reservoirs	Dr. Michael Fraim	Award Closed	Texas A&M University at Qatar
	3449	UREP 15 - 042 - 2 - 014	HYBRID RENEWABLE ENERGY GENERATION SYSTEM FOR ECO-FRIENDLY BUILDINGS IN QATAR	Prof. Haitham Abu-Rub	Award Closed	Texas A&M University at Qatar
	3446	UREP 15 - 031 - 2 - 009	Experimental Investigation of Permeability and Fluid Loss Properties of Water Based Mud under High Pressure-High Temperature Conditions	Dr. Mahmood Amani	Award Closed	Texas A&M University at Qatar
	3433	UREP 15 - 001 - 2 - 001	Evaluate and improve airborne particulate matter passive samplers for personal exposure monitoring	Dr. Konstantinos Kakosimos	Award Closed	Texas A&M University at Qatar
	3430	UREP 14 - 130 - 2 - 043	The Effect of Oil Recovery Methods on Asphaltene Deposition in Carbonate Formations	Dr. Albertus Retnanto	Award Closed	Texas A&M University at Qatar
	3425	UREP 14 - 120 - 2 - 041	Risk Assessment for the use of LNG facility at Ras Laffan Emergency and Safety College	Dr. Luc VECHOT	Award Closed	Texas A&M University at Qatar
	3410	UREP 14 - 060 - 2 - 019	Uniformity studies in Gas Electron Multiplier based detectors	Prof. Othmane Bouhali	Award Closed	Texas A&M University at Qatar
	3403	UREP 14 - 042 - 5 - 007	An Investigation into the Impact of Active Learning Engineering Experiences Incorporated into Qatari Secondary School Curricula	Prof. Beena Ahmed	Award Closed	Texas A&M University at Qatar
	3389	UREP 13 - 167 - 2 - 056	Experimental study of the thermal decomposition of tert-Butyl Peroxy-2-Ethylhexanoate under runaway conditions using isothermal and adiabatic calorimetry	Dr. Luc VECHOT	Award Closed	Texas A&M University at Qatar
	3388	UREP 13 - 160 - 2 - 052	Non-Contact Electrically Assisted Drive Train - Phase 1	Dr. Shehab Ahmed	Award Closed	Texas A&M University at Qatar
	3385	UREP 13 - 137 - 2 - 045	Design, construction, and performance analysis of scaled gas-lift physical model	Prof. Mohamed Aggour	Award Closed	Texas A&M University at Qatar
	3358	UREP 13 - 031 - 2 - 014	Investigating the Effect of Salinity on the Rheological Properties of Water Based Mud under High Pressures and High Temperatures of Deep Wells	Dr. Mahmood Amani	Award Closed	Texas A&M University at Qatar
	3345	UREP 12 - 162 - 2 - 054	Investigation of Cementing Fiberglass Surface Casing across the UER loss circulation zone in Qatar	Dr. Michael Fraim	Award Closed	Texas A&M University at Qatar
	3334	UREP 12 - 110 - 2 - 043	A New Ultrasonic Wave Based, Environmentally Friendly Degasser System for Drilling Fluids and Crude Oils	Dr. Mahmood Amani	Award Closed	Texas A&M University at Qatar
	3333	UREP 12 - 106 - 1 - 011	Nonlinear and Spectral Analysis for Highly Oscillatory Curves in Chaos and Mathematical Finance	Dr. Tingwen Huang	Award Closed	Texas A&M University at Qatar
	3295	UREP 11 - 143 - 2 - 052	Thermodynamic Speed of Sound from Equations of State	Prof. Marcelo Castier	Award Closed	Texas A&M University at Qatar
	3288	UREP 11 - 128 - 2 - 045	A Collaborative Research Study on Well Stimulation and Productivity Analysis for Qatar Wells	Dr. Mashhad Fahes	Award Closed	Texas A&M University at Qatar
	3252	UREP 11 - 004 - 2 - 002	Investigating the Role of Ultrasonic Wave Technology, as an Asphaltene Flocculation Inhibitor, on Qatar Crude Oil Samples, an Experimental and Modeling Study	Dr. Mahmood Amani	Award Closed	Texas A&M University at Qatar
	2065	PDRA2-1112-14087	Forming of Aluminum Foam Sandwich Panels - Potential Applications in Sustainable Energy Systems		Award Closed	Texas A&M University at Qatar
	2062	PDRA2-1110-14066	High-Performance Drive with Permanent Magnet Synchronous Motor Based on Model Predictive Control		Award Closed	Texas A&M University at Qatar
	2060	PDRA2-1105-14044	Cost Effective Concentrated Photovoltaic System with Thermal Energy Storage		Award Closed	Texas A&M University at Qatar
	2056	PDRA1-1231-13034	Mohamed Gharib - Postdoctoral Research		Award Closed	Texas A&M University at Qatar
	2054	PDRA1-1227-13029	Imran Ansari - Postdoctoral Research		Award Closed	Texas A&M University at Qatar
	2052	PDRA1-1216-13015	Rajesh Raju - Postdoctoral Research		Award Closed	Texas A&M University at Qatar
	2050	PDRA1-1209-13010	Ilaria Menapace - Postdoctoral Research		Award Closed	Texas A&M University at Qatar
	1841	NPRP8-648-2-273	Visible Light Communication for Underwater Sensor Networks	Dr. Khalid Qaraqe	Award Closed	Texas A&M University at Qatar
	1818	NPRP8-352-1-074	Ultra-high precision lithography, microscopy, and imaging	Prof. Muhammad Zubairy	Award Closed	Texas A&M University at Qatar
	1768	NPRP8-1531-2-651	Modeling and Control of Information-Driven Smart Transportation Systems	Prof. Panganamala Kumar	Award Closed	Texas A&M University at Qatar
	1758	NPRP8-1406-2-605	Solar-driven Advanced Reduction Processes for Destroying Persistent Contaminants in Water	Prof. Ahmed Abdel-Wahab	Award Closed	Texas A&M University at Qatar
	1309	NPRP 7 - 987 - 2 - 372	Investigation of Photovoltaic Surface Soiling and Its Mitigation in Qatar	Dr. Bing Guo	Award Closed	Texas A&M University at Qatar
	1305	NPRP 7 - 953 - 2 - 357	Structure-Aware Reliability Analysis of State Estimators in Large-Scale Sensor Systems	Dr. Kiavash Kianfar	Award Closed	Texas A&M University at Qatar
	1300	NPRP 7 - 865 - 2 - 320	Development of Advanced Solar-Powered Photoelectrochemical System for Conversion of Carbon Dioxide into Useful Fuels	Dr. Dong Suk Han	Award Closed	Texas A&M University at Qatar
	1297	NPRP 7 - 829 - 2 - 308	Integrated Modeling, Control and Diagnostics of Engine and Catalyst for Optimized Fuel Economy and Emissions Reduction	Dr. Reza Tafreshi	Award Closed	Texas A&M University at Qatar
	1290	NPRP 7 - 756 - 2 - 284	Novel aluminum alloys for very high temperature applications	Prof. Ibrahim Karaman	Award Closed	Texas A&M University at Qatar
	1288	NPRP 7 - 724 - 2 - 269	Industrial Energy-Water Integration and Management: Systematic Design and Operating Tools and Applications to Industrial Zones	Prof. Patrick Linke	Award Closed	Texas A&M University at Qatar
	1283	NPRP 7 - 674 - 2 - 252	Advanced emergency preparedness and response tools for airborne hazardous materials in urban environments	Dr. Konstantinos Kakosimos	Award Closed	Texas A&M University at Qatar
	1280	NPRP 7 - 665 - 1 - 125	Intercalated graphene: effects of substrates on functionalities	Prof. Milivoj Belic	Award Closed	Texas A&M University at Qatar
	1278	NPRP 7 - 660 - 1 - 124	Multi-Scale Modeling of Hydrodynamics in Arabian Gulf	Dr. James Kaihatu	Award Closed	Texas A&M University at Qatar
	1276	NPRP 7 - 649 - 2 - 241	Emission models for fugitive particulate matter towards an online emission inventory for the Middle East Area	Dr. Konstantinos Kakosimos	Award Closed	Texas A&M University at Qatar
	1269	NPRP 7 - 511 - 1 - 098	Cauchy-Riemann equations in several complex variables	Prof. Nordine Mir	Award Closed	Texas A&M University at Qatar
	1264	NPRP 7 - 482 - 2 - 184	Thermo- Mechanical Tire-Pavement Interaction: Computational Modelling and Field Measurements	Dr. Eyad Masad	Award Closed	Texas A&M University at Qatar
	1243	NPRP 7 - 297 - 1 - 051	Computational Investigation of Carbon-Hydrogen Bond Activation	Dr. Michael Hall	Award Closed	Texas A&M University at Qatar
	1239	NPRP 7 - 286 - 1 - 046	Nature inspired conjugated small molecules and polymers for use in next generation organic solar cells	Dr. Mohammed Al-Hashimi	Award Closed	Texas A&M University at Qatar
	1238	NPRP 7 - 285 - 1 - 045	Synthesis and molecular engineering of novel conjugated polymers with zero torsional defect for organic solar cells	Dr. Mohammed Al-Hashimi	Award Closed	Texas A&M University at Qatar
	1235	NPRP 7 - 245 - 1 - 035	Accurately predicting the activity and selectivity of heterogeneous catalysts for converting natural gas to liquid transportation fuels	Prof. Edward Brothers	Award Closed	Texas A&M University at Qatar
	1231	NPRP 7 - 210 - 1 - 032	Applications of Nanotechnology to Quantum Informatics	Prof. Muhammad Zubairy	Award Closed	Texas A&M University at Qatar
	1228	NPRP 7 - 203 - 2 - 097	Efficient Modular Pulsed Power Water Disinfection System for Water Treatment and Reuse Applications	Dr. Shehab Ahmed	Award Closed	Texas A&M University at Qatar

1215	NPRP 7 - 1685 - 2 - 626	Exoskeleton based Stroke Rehabilitation with Augmented Reality	Dr. Reza Langari	Award Closed	Texas A&M University at Qatar
1207	NPRP 7 - 1562 - 2 - 571	Durability of Semicrystalline Polymers under Extreme Environments: Characterization and Modeling	Prof. Ahmed Amine Benzerga	Award Closed	Texas A&M University at Qatar
1198	NPRP 7 - 1482 - 1 - 278	Control relevant complexity reduction for modeling of flow and transport in heterogeneous porous media	Prof. Yalchin Efendiev	Award Closed	Texas A&M University at Qatar
1197	NPRP 7 - 1470 - 2 - 528	Multiscale modeling and characterization of advanced interface materials for high energy and corrosive environments	Prof. Bilal Mansoor	Award Closed	Texas A&M University at Qatar
1193	NPRP 7 - 1449 - 2 - 523	In-depth Characterization of Spray and Combustion Performance of Alternative Jet Fuels at Gas Turbine Combustor Conditions	Dr. Kumaran Kannaiyan	Award Closed	Texas A&M University at Qatar
1188	NPRP 7 - 1372 - 2 - 498	Advanced Magnetic Resonance Imaging Methodologies for 3-D Analysis of Multiphase Flow Processes in Oil Reservoirs and Enhanced Oil Recovery	Dr. Grigorios Matenoglou	Award Closed	Texas A&M University at Qatar
1187	NPRP 7 - 1360 - 1 - 254	Some Questions in Partitions, q-series and Asymptotics	Dr. Ahmad El-Guindy	Award Closed	Texas A&M University at Qatar
1176	NPRP 7 - 1263 - 1 - 230	Surface and Bulk Functionalization of Polyolefins Using Functionalized Polyolefin Oligomers	Prof. David Bergbreiter	Award Closed	Texas A&M University at Qatar
1175	NPRP 7 - 125 - 2 - 061	Numerical Analysis and In-vitro Demonstrator of Nano-scale Communication Networks for Healthcare Monitoring Applications (nano-Health)	Prof. Joseph Boutros	Award Closed	Texas A&M University at Qatar
1169	NPRP 7 - 1172 - 2 - 439	Enhanced Monitoring of Environmental and Chemical Processes	Prof. Mohamed Nounou	Award Closed	Texas A&M University at Qatar
1167	NPRP 7 - 1153 - 2 - 432	ROBUST CONDITION MONITORING OF GAS TURBINES USED AS DRIVERS FOR LIQUEFACTION OF NATURAL GAS IN QATAR	Prof. Sami EL-BORGI	Award Closed	Texas A&M University at Qatar
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1159	NPRP 7 - 106 - 2 - 053	Stability and Reliability Issues of Smart Grid with Network Topology and Flow Controls	Prof. Garng Huang	Award Closed	Texas A&M University at Qatar
1151	NPRP 7 - 042 - 2 - 021	Design and Optimization of Highly Productive Zeolitic Imidazolate Framework, ZIF-8, Membranes For Industrial Propylene/Propane Separations	Prof. Hae-Kwon Jeong	Award Closed	Texas A&M University at Qatar
1149	NPRP 7 - 032 - 2 - 016	Fluid-Structure Interaction of Elastic Shells for Aerospace and Biomedical Applications	Dr. Annie Ruimi	Award Closed	Texas A&M University at Qatar
1142	NPRP 6 - 863 - 2 - 355	Multiscale modeling of metal dusting corrosion in Iron: From Quantum Chemistry to Kinetic Monte Carlo Simulation	Prof. Othmane Bouhali	Award Closed	Texas A&M University at Qatar
1138	NPRP 6 - 784 - 2 - 329	Communication for Control of Distributed Systems	Prof. Panganamala Kumar	Award Closed	Texas A&M University at Qatar
1134	NPRP 6 - 729 - 2 - 301	Reductive Immobilization and Removal of Arsenic and Selenium from Contaminated Water using Advanced Reduction Processes	Dr. Bill Batchelor	Award Closed	Texas A&M University at Qatar
1111	NPRP 6 - 485 - 2 - 201	Beyond Dual-Porosity Modeling for the Simulation of Fluid Flow in Fractured Carbonate Reservoirs	Prof. John Killough	Award Closed	Texas A&M University at Qatar
1110	NPRP 6 - 465 - 1 - 091	Remote Measurements of Hydrocarbon and Greenhouse Gases in Fluids Carrying Them	Prof. Hans Schuessler	Award Closed	Texas A&M University at Qatar
1102	NPRP 6 - 425 - 2 - 172	Source term modeling of LNG vapor formation by experimental investigation and CFD simulation	Dr. Luc VECHOT	Award Closed	Texas A&M University at Qatar
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1063	NPRP 6 - 149 - 2 - 058	A Signal Processing Framework for Secure Monitoring, Power-Line Communications, and Energy Management in Energy Grids	Prof. Erchin Serpedin	Award Closed	Texas A&M University at Qatar
1045	NPRP 6 - 127 - 2 - 050	Development and testing of smart drilling fluids for resolving oil and gas drilling problems in the State of Qatar and for reducing environmental footprint	Prof. Mike Bowman	Award Closed	Texas A&M University at Qatar
1041	NPRP 6 - 1184 - 1 - 224	Earth Abundant (Iron and Nickel) Catalysts for Hydrogen Production and Small Molecule Activation	Prof. Marcella Darensbourg	Award Closed	Texas A&M University at Qatar
1040	NPRP 6 - 116 - 2 - 044	Solar Hybrid Hydrogen Production Cycle with In-situ Thermal Energy Storage	Prof. Arun Srinivasa	Award Closed	Texas A&M University at Qatar
1039	NPRP 6 - 1157 - 2 - 471	Development and validation of molecular-based models for the prediction of thermodynamic and transport properties of CO ₂ – brine mixtures	Prof. Ioannis Economou	Award Closed	Texas A&M University at Qatar
1014	NPRP 6 - 021 - 1 - 005	Self-organized solitonic structures propagating in semiconductor quantum wells, nanocomposites, polymers, photonic crystals, metamaterials and nanoplasmonics for appli	Prof. Milivoj Belic	Award Closed	Texas A&M University at Qatar
1010	NPRP 5 - 994 - 1 - 172	Gas tracers for interwell exploring petroleum reservoir structure	Prof. Hans Schuessler	Award Closed	Texas A&M University at Qatar
1009	NPRP 5 - 980 - 2 - 411	Visible Light Communications	Prof. Costas Georgiades	Award Closed	Texas A&M University at Qatar
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919	NPRP 5 - 192 - 1 - 046	Molecularly Engineered Extreme-Service Lubricants and Tribology. A TAMU-Q Northwestern University Collaboration	Prof. Hassan Bazzi	Award Closed	Texas A&M University at Qatar
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900	NPRP 5 - 1294 - 2 - 559	Multiscale Investigation of the Relationship between the Microstructure and Deformability for New Generation Ultra High Strength Multi-Phase Steels for Automotive Appli	Dr. Annie Ruimi	Award Closed	Texas A&M University at Qatar
894	NPRP 5 - 1232 - 2 - 535	In-Situ Carbon Dioxide Generation for Miscible Flooding Mature Carbonate Oil Field in Qatar	Prof. Mohamed Aggour	Award Closed	Texas A&M University at Qatar
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	783	NPRP 4 - 184 - 1 - 035	Theoretical study and modeling of insulating ferromagnetic and ferrimagnetic nanojunctions and of their spin wave transport properties	Prof. Wieslaw Krolkowski	Award Closed	Texas A&M University at Qatar
	766	NPRP 4 - 1484 - 2 - 590	Utilization of MRI and NMR in the Visualization of Fischer-Tropsch Synthesis Reaction Behaviors	Dr. Nimir Elbashir	Award Closed	Texas A&M University at Qatar
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	755	NPRP 4 - 1293 - 2 - 513	Enabling Interference Tolerant Wireless Communication Networks: Principles of Synchronization, Channel Estimation and Coding	Prof. Erchin Serpedin	Award Closed	Texas A&M University at Qatar
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	746	NPRP 4 - 1191 - 2 - 468	A systems approach to the development of sustainable water strategies for Qatar	Prof. Patrick Linke	Award Closed	Texas A&M University at Qatar
	745	NPRP 4 - 1174 - 2 - 458	Disinfection Byproducts Removal from Water Using Advanced Reduction Process	Prof. Ahmed Abdel-Wahab	Award Closed	Texas A&M University at Qatar
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	732	NPRP 4 - 1063 - 2 - 397	Characterizing the impact loading response of friction-stir welded (FSW) bimetallic joints	Prof. Bilal Mansoor	Award Closed	Texas A&M University at Qatar
	719	NPRP 4 - 081 - 1 - 016	Phase Separable Polymerization Catalysts	Prof. David Bergbreiter	Award Closed	Texas A&M University at Qatar
	718	NPRP 4 - 080 - 2 - 030	Photovoltaic and Wind based Electric Power Generation - (Technical and Economical Aspects	Prof. Hamid Toliyat	Award Closed	Texas A&M University at Qatar
	716	NPRP 4 - 077 - 2 - 028	Advanced Model Predictive Control of Power Electronics Converters and Electric Drives	Prof. Haitham Abu-Rub	Award Closed	Texas A&M University at Qatar
	709	NPRP 4 - 007 - 2 - 002	Development of Processes for Enhancing Gas Recovery with Carbon Dioxide Sequestration in Carbonate Reservoirs	Dr. Michael Fraim	Award Closed	Texas A&M University at Qatar
	451	JSREP 3 - 027 - 2 - 005	Cooperative Relaying for Idle Band Integration in Spectrum Sharing Systems	Dr. Syed Hussain	Award Closed	Texas A&M University at Qatar
	452	JSREP 3 - 039 - 2 - 010	Femtocell and Macrocell Cooperation for Hybrid-Access Overlaid Cellular Networks	Dr. fawaz al-qahtani	Award Closed	Texas A&M University at Qatar
	708	NPRP 4 - 005 - 2 - 001	Geology-Based Reservoir Model Building for Carbonate Reservoirs	Dr. Michael Fraim	Award Closed	Texas A&M University at Qatar
	705	NPRP 09 - 970 - 2 - 373	Development of Methods for Improving Displacement Efficiency and Reducing Water Production in Carbonate Reservoirs	Ms. Anu Kuriakose	Award Closed	Texas A&M University at Qatar
	701	NPRP 09 - 928 - 2 - 354	Development and characterization of high strength steel for down-hole application in sour environment with superior corrosion and wear resistance	Prof. Bruce Palmer	Award Closed	Texas A&M University at Qatar
	693	NPRP 09 - 830 - 2 - 317	Enhancing Gas-Condensate Well Productivity by Wettability Alteration	Dr. Mashhad Fahes	Award Closed	Texas A&M University at Qatar
	692	NPRP 09 - 828 - 2 - 316	Single Well Acid Fracturing Simulator: Modeling and Field Studies	Dr. Hadi Nasrabadi	Award Closed	Texas A&M University at Qatar
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	666	NPRP 09 - 611 - 2 - 236	Investigating the Superplastic Behavior of Twin-Roll Cast Magnesium Alloys for Effective Use in Automotive Applications	Dr. ayoub georges	Award Closed	Texas A&M University at Qatar
	665	NPRP 09 - 585 - 1 - 087	Precision spectroscopy for trace detection and analysis of hydrocarbon well gases	Prof. Hans Schuessler	Award Closed	Texas A&M University at Qatar
	662	NPRP 09 - 530 - 2 - 199	Enhanced Inferential Modeling of Distillation Column Compositions using Multiscale Latent Variable Regression	Prof. Mohamed Nounou	Award Closed	Texas A&M University at Qatar
	658	NPRP 09 - 489 - 2 - 182	Investigation on Long-Term Stability of Casing-Cement-Rock Systems Exposed to Variable Loads with Application to Well Integrity Management	Dr. Mahmood Amani	Award Closed	Texas A&M University at Qatar
	654	NPRP 09 - 462 - 1 - 074	Light bullets, fractional vortices, and nonlocal solitons for all-optical information transmission in photonic crystals, dispersion-managed systems, and distributed fibers	Prof. Milivoj Belic	Award Closed	Texas A&M University at Qatar
	642	NPRP 09 - 341 - 2 - 128	Sparsity-Aware Spectrum Cartography for Cognitive Networks	Prof. Erchin Serpedin	Award Closed	Texas A&M University at Qatar
	618	NPRP 09 - 157 - 1 - 024	Detection and Reaction Dynamics of Intermediates in Ruthenium Catalyzed Processes	Dr. Ashfaq Bengali	Award Closed	Texas A&M University at Qatar
	617	NPRP 09 - 155 - 2 - 066	A Distributed Reconfigurable Active-Storage Platform for Data-Intensive Applications	Dr. Mazen Saghir	Award Closed	Texas A&M University at Qatar
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	609	NPRP 09 - 1183 - 2 - 461	Effects from Micro- and Nano-Sized Spheres Moving through a Quiescent Viscous Fluid	Prof. Reza Sadr	Award Closed	Texas A&M University at Qatar
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	594	NPRP 09 - 1050 - 2 - 405	Theoretical and experimental study of asphaltene deposition during CO2 injection in Qatar's oil reservoirs	Dr. Hadi Nasrabadi	Award Closed	Texas A&M University at Qatar
	579	NPRP 08 - 777 - 1 - 141	Advanced Modeling of Enhanced Oil Recovery Methods	Prof. Prabir Daripa	Award Closed	Texas A&M University at Qatar
	577	NPRP 08 - 746 - 2 - 318	The Effect of Spent Acid on Rock Wettability in Carbonate Acidizing	Dr. Mashhad Fahes	Award Closed	Texas A&M University at Qatar
	564	NPRP 08 - 634 - 2 - 269	Interaction of turbulent wind with ocean surface waves: Field experiments and numerical modeling	Dr. James Kaihatu	Award Closed	Texas A&M University at Qatar
	561	NPRP 08 - 607 - 1 - 108	PHASE TRANSFER ACTIVATION OF CATALYSTS FOR OLEFIN METATHESIS AND POLYMERIZATION	Dr. John Gladysz	Award Closed	Texas A&M University at Qatar
	558	NPRP 08 - 577 - 2 - 241	QoS Optimization In Broadband Wireless Networks and Development of new value-added Mobile Systems and Services for e-advertising and e-Tourism	Prof. Hichem Besbes	Award Closed	Texas A&M University at Qatar
	557	NPRP 08 - 574 - 2 - 239	An experimental investigation of Enhanced Convection Heat transfer using Nano-Fluids and Nano-Structured surfaces	Prof. Reza Sadr	Award Closed	Texas A&M University at Qatar
	551	NPRP 08 - 528 - 2 - 213	Photovoltaics and Their Grid Integration – a Plug and Play Concept	Prof. Prasad Enjeti	Award Closed	Texas A&M University at Qatar
	549	NPRP 08 - 504 - 2 - 197	Downhole Mechatronics: Enabling Technology for Qatar's North Field	Dr. Shehah Ahmed	Award Closed	Texas A&M University at Qatar
	545	NPRP 08 - 494 - 2 - 193	Study of supercritical fluid thermal hydraulics	Prof. Devesh Ranjan	Award Closed	Texas A&M University at Qatar
	540	NPRP 08 - 431 - 1 - 076	Theoretical Investigation of Metal Oxides and Metal Oxide Interfaces	Prof. Edward Brothers	Award Closed	Texas A&M University at Qatar
	538	NPRP 08 - 426 - 1 - 074	Computational Investigation of the Reactions of Olefins with Nickel Dithiolenes	Prof. Edward Brothers	Award Closed	Texas A&M University at Qatar
	534	NPRP 08 - 398 - 2 - 160	Nonlinear Control of Internal Combustion Engine for Fuel Economy and Zero Emissions	Dr. Reza Tafreshi	Award Closed	Texas A&M University at Qatar
	528	NPRP 08 - 369 - 2 - 140	Condition Monitoring and Fault Diagnosis of Electric Machines	Prof. Hamid Toliyat	Award Closed	Texas A&M University at Qatar
	523	NPRP 08 - 310 - 2 - 110	Multi-Scale Computational Models for Predicting Performance of Asphalt Pavements under Realistic Loading Conditions	Dr. Eyad Masad	Award Closed	Texas A&M University at Qatar
	522	NPRP 08 - 291 - 2 - 098	Nonlinear Structural Health Monitoring	Dr. Matthew Franchek	Award Closed	Texas A&M University at Qatar
	490	NPRP 08 - 033 - 1 - 007	Nucleic Acid-Templated Access to Fully Synthetic, DNA-Mimetic Polymers	Prof. Hassan Bazzi	Award Closed	Texas A&M University at Qatar
	491	NPRP 08 - 035 - 1 - 008	Acyiltrifluoroborates. Stable Acyl Anion Equivalents	Prof. Dave Seapy	Award Closed	Texas A&M University at Qatar
	492	NPRP 08 - 043 - 1 - 011	Applications of quantum interferometry and coherence to precision sensing, microscopy and lithography	Prof. Muhammad Zubairy	Award Closed	Texas A&M University at Qatar
	518	NPRP 08 - 261 - 2 - 082	Development of Novel Gas-to-Liquid Technology in Near-Critical and Supercritical Phase Media	Dr. Nimir Elbashir	Award Closed	Texas A&M University at Qatar
	515	NPRP 08 - 227 - 5 - 042	LINGUISTIC SEXISM AND GENDER ROLE STREOTYPING IN QATARI ENGLISH LANGUAGE LEARNING SCHOOL RESOURCES	Dr. Bahiyah Hamid	Award Closed	Texas A&M University at Qatar
	512	NPRP 08 - 173 - 2 - 050	Kinetics of Slurry Phase Fischer-Tropsch Synthesis on a Cobalt Catalyst	Dr. Dragomir Bukur	Award Closed	Texas A&M University at Qatar
	511	NPRP 08 - 172 - 2 - 049	Advanced Reduction Processes for Hazardous Wastes Treatment	Prof. Ahmed Abdel-Wahab	Award Closed	Texas A&M University at Qatar
	508	NPRP 08 - 152 - 2 - 043	Signal Intelligence for Next Generation Wireless Communications Systems	Dr. Khalid Qaraqe	Award Closed	Texas A&M University at Qatar
	507	NPRP 08 - 148 - 3 - 051	A Training Program in Genomic Signal Processing	Dr. Aniruddha Datta	Award Closed	Texas A&M University at Qatar
	505	NPRP 08 - 125 - 2 - 031	Stress monitoring with non-linear dynamical models and wearable sensors	Prof. Ricardo Gutierrez-Osuna	Award Closed	Texas A&M University at Qatar
	501	NPRP 08 - 093 - 2 - 022	An Intelligent Electrocardiograph Based on Wireless Skin Electrodes	Dr. Kamran Entesari	Award Closed	Texas A&M University at Qatar
	502	NPRP 08 - 101 - 2 - 025	Code design for multiterminal communication networks	Dr. Khalid Qaraqe	Award Closed	Texas A&M University at Qatar
	422	HSREP04-1031-220018	Understanding the solar materials aging and how to conduct accelerated testing	Dr. Konstantinos Kakosimos	Award Pending - Vetted	Texas A&M University at Qatar
	3895	UREP27-148-2-045	Experimental Investigation of Bioaerosol Concentration and Particle Resuspension in Relation to Aerosol Transmission of Infectious Diseases	Dr. Bing Guo	Award Tech. Completed	Texas A&M University at Qatar
	3893	UREP27-137-2-035	Experimental Investigation of a Chronic Leak Detection in a Gas Transmission Line	Dr. Mohammad Rahman	Award Tech. Completed	Texas A&M University at Qatar
	3891	UREP27-108-2-033	Suitability of Synthetic Drilling muds for North Field Wells in Qatar: A comparative study	Dr. Nimir Elbashir	Award Tech. Completed	Texas A&M University at Qatar
	3876	UREP27-035-3-012	Tailored prevention of coronaviruses' transmission via aerodynamic, behavioral, and network modeling in indoor and outdoor spaces	Dr. Konstantinos Kakosimos	Award Tech. Completed	Texas A&M University at Qatar

	3875	UREP27-032-2-011	Experimental investigations of the geomechanical properties for the oil and gas reservoir analogs in Qatar	Dr. Mohamed Fadlelmula	Award Tech. Completed	Texas A&M University at Qatar
	3865	UREP27-002-2-001	An Experimental Investigation of the use of Single to Multiple Loop Ultrasonic Technology as a New Method for Water-Crude Oil Emulsion Separation Process	Dr. Mahmood Amani	Award Tech. Completed	Texas A&M University at Qatar
	3836	UREP26-007-2-005	The Effects of Ultrasonic Waves on Drilling Fluid Foaming	Dr. Mahmood Amani	Award Tech. Completed	Texas A&M University at Qatar
	3833	UREP25-116-2-044	Recognition of the upper limb's motion intention using electroencephalogram and machine-learning techniques	Dr. Reza Tafreshi	Award Tech. Completed	Texas A&M University at Qatar
	3831	UREP25-109-2-040	Towards Carbon Neutral Industrial Parks	Dr. Dhabia Al-Mohannadi	Award Tech. Completed	Texas A&M University at Qatar
	3829	UREP25-101-1-016	New type of green catalysts for aerobic oxidation of alcohols	Dr. Sherzod Madrahimov	Award Tech. Completed	Texas A&M University at Qatar
	3828	UREP25-095-1-014	Hybrid Solar Powered High Performance Polymeric Materials for Photocatalytic Hydrogen Generation from Seawater and Industrial Effluent Water Streams in Qatar	Dr. Mohammed Al-Hashimi	Award Tech. Completed	Texas A&M University at Qatar
	24	CWSP11-C-1017-16024	Second International Computational Science and Engineering Conference (ICSEC17)	Prof. Othmane Bouhali	Award Tech. Completed	Texas A&M University at Qatar
	3806	UREP25-029-2-015	A Novel Study on the Enhancement of Completion Fluids Corrosion Properties in Petroleum Production System	Dr. Albertus Retnanto	Award Tech. Completed	Texas A&M University at Qatar
	3799	UREP25-003-2-002	Analyzing multi-phase flow in 3D printed micro-models	Dr. Nayef Alyafei	Award Tech. Completed	Texas A&M University at Qatar
	3794	UREP24-209-2-064	Multiphase flow visualization of alternative refrigerant mixtures	Prof. Reza Sadr	Award Tech. Completed	Texas A&M University at Qatar
	3792	UREP24-206-2-063	Design and Manufacturing of an Ultra Energy-Efficient Gas To Liquid Car for Shell Eco-Marathon	Dr. Michael Schuller	Award Tech. Completed	Texas A&M University at Qatar
	3789	UREP24-203-2-062	Automated Mitotic Cell Detection Using Transfer Learning	Prof. Jim Ji	Award Tech. Completed	Texas A&M University at Qatar
	3788	UREP24-182-2-054	Fluid characterization and identification of optimal miscible CO2 injection conditions for EOR	Dr. Mohamed Fadlelmula	Award Tech. Completed	Texas A&M University at Qatar
	3786	UREP24-170-3-050	Assessing Radiation Therapy treatment of lung cancer using GATE Monte Carlo simulation software	Prof. Othmane Bouhali	Award Tech. Completed	Texas A&M University at Qatar
	3752	UREP24-023-2-010	Characterizing Photovoltaic System Arc-Faults	Dr. Robert Balog	Award Tech. Completed	Texas A&M University at Qatar
	33	CWSP12-C-0304-17007	12th International Conference on Compatibility, Power Electronics and Power Engineering	Prof. Haitham Abu-Rub	Award Tech. Completed	Texas A&M University at Qatar
	34	CWSP12-C-0311-17012	Bukur Reaction Engineering and Catalysis Symposium	Dr. Nimir Elbashir	Award Tech. Completed	Texas A&M University at Qatar
	35	CWSP12-C-0311-17014	Advances in Materials and Pavement Performance Prediction	Dr. Eyad Masad	Award Tech. Completed	Texas A&M University at Qatar
	3745	UREP24-004-2-002	Determination on Lubricating Capabilities of Commercially Available Liquid Lubricant for Water-Based Drilling	Dr. Mahmood Amani	Award Tech. Completed	Texas A&M University at Qatar
	3730	UREP23-104-2-036	Solar spectrum characterization, impact on human health and mitigation using innovative materials	Dr. Konstantinos Kakosimos	Award Tech. Completed	Texas A&M University at Qatar
	3727	UREP23-082-2-032	Study on the Influence of nanoparticles in the filtrate characteristics and filtrate cake formation of a water based drilling fluid	Dr. Mahmood Amani	Award Tech. Completed	Texas A&M University at Qatar
	44	CWSP13-C-0926-17011	The 11th International Conference on Thermal Engineering Theory and Applications	Prof. Ibrahim Hassan	Award Tech. Completed	Texas A&M University at Qatar
	60	CWSP15-C-1004-18033	3rd International Computational Science and Engineering Conference (ICSEC19)	Prof. Othmane Bouhali	Award Tech. Completed	Texas A&M University at Qatar
	62	CWSP15-C-1010-18049	The Second International Conference on Smart Grid and Renewable Energy	Prof. Haitham Abu-Rub	Award Tech. Completed	Texas A&M University at Qatar
	73	CWSP16-W-0228-19039	Safe and Reliable Electrical Distribution Systems	Dr. Robert Balog	Award Tech. Completed	Texas A&M University at Qatar
	100	CWSP19-C-0908-20037	Energy education of the Future Forum	Dr. Konstantinos Kakosimos	Award Tech. Completed	Texas A&M University at Qatar
	106	CWSP20-C-0131-21003	The 3rd International Conference on Smart Grid and Renewable Energy	Prof. Haitham Abu-Rub	Award Tech. Completed	Texas A&M University at Qatar
	3250	UREP 10 - 148 - 2 - 053	Prototyping an Automobile in Qatar - Phase II	Prof. Houshang Masudi	Award Tech. Completed	Texas A&M University at Qatar
	3248	UREP 10 - 140 - 2 - 048	Design, preparation, and set up of a vertical flow test section for Supercritical carbon dioxide flow facility	Prof. Reza Sadr	Award Tech. Completed	Texas A&M University at Qatar
	3247	UREP 10 - 124 - 2 - 039	Vapor-Liquid Equilibrium of Aqueous Electrolyte Solutions Using the Electrolattice Equation of State	Prof. Marcelo Castier	Award Tech. Completed	Texas A&M University at Qatar
	3246	UREP 10 - 122 - 2 - 037	DESIGN, MANUFACTURING AND TESTING OF A QUARTZ REACTOR FOR CATALYTIC SOLAR CRACKING OF NATURAL GAS	Dr. Nesrin Ozalp	Award Tech. Completed	Texas A&M University at Qatar
	3234	UREP 10 - 091 - 5 - 027	An investigation into specific skills requiring enhancement in Qatari high school students to succeed in an engineering education	Prof. Beena Ahmed	Award Tech. Completed	Texas A&M University at Qatar
	3207	UREP 10 - 012 - 2 - 004	Investigating the Effects of Ultra High Pressures and Temperatures on the Rheological Properties of Oil-Based Drilling Mud	Dr. Mahmood Amani	Award Tech. Completed	Texas A&M University at Qatar
	3206	UREP 10 - 011 - 2 - 003	SINGLE-STAGE INVERTERS FOR PHOTOVOLTAIC POWER GENERATION SYSTEM	Prof. Haitham Abu-Rub	Award Tech. Completed	Texas A&M University at Qatar
	3200	UREP 10 - 001 - 1 - 001	Characterization and Visualization of Carbonate Oil/gas Reservoir For Enhancing Oil/Gas Recovery	Dr. Anuj Gupta	Award Tech. Completed	Texas A&M University at Qatar
	3195	UREP 09 - 121 - 2 - 037	Electromagnetic sensing and wireless data acquisition for in-situ monitoring of natural gas flow in pipelines	Dr. Mosong Cheng	Award Tech. Completed	Texas A&M University at Qatar
	3187	UREP 09 - 098 - 2 - 028	Thermodynamic Properties of Polar Compounds and Mixtures Using the Mattedi-Tavares-Castier Equation of State	Prof. Marcelo Castier	Award Tech. Completed	Texas A&M University at Qatar
	3186	UREP 09 - 097 - 2 - 027	Development and optimization of correlations for multiphase flow in Qatar's oil pipelines	Dr. Hadi Nasrabadi	Award Tech. Completed	Texas A&M University at Qatar
	3170	UREP 09 - 048 - 2 - 012	Developing Engineering Projects Supervised by Undergraduate Students at a Qatari High School	Dr. Ghada Salama	Award Tech. Completed	Texas A&M University at Qatar
	3166	UREP 09 - 029 - 2 - 010	Investigation of Carbon Dioxide Injection for Accelerated & Enhanced Recovery from Gas Condensate Reservoirs	Dr. Anuj Gupta	Award Tech. Completed	Texas A&M University at Qatar
	3164	UREP 09 - 021 - 2 - 005	Artificial Intelligence Based Fault Diagnostics of Induction Machines for Industrial Applications	Prof. Haitham Abu-Rub	Award Tech. Completed	Texas A&M University at Qatar
	3158	UREP 09 - 009 - 2 - 002	A Comprehensive Study of the Drilling Issues and Well Problems for the Oil and Gas Fields of Qatar	Dr. Mahmood Amani	Award Tech. Completed	Texas A&M University at Qatar
	3151	UREP 08 - 134 - 5 - 026	Pulse of Qatar: A Comparative Study on Health Issues of Egyptian and South Asian Migrant Workers	Dr. Jennifer Heeg	Award Tech. Completed	Texas A&M University at Qatar
	3141	UREP 08 - 100 - 1 - 016	Design and setup of experimental facility for atmospheric study	Prof. Reza Sadr	Award Tech. Completed	Texas A&M University at Qatar
	3140	UREP 08 - 099 - 2 - 033	Design and Construction of an Optically accessible Spray Diagnostic Facility	Prof. Reza Sadr	Award Tech. Completed	Texas A&M University at Qatar
	3135	UREP 08 - 082 - 2 - 029	Automatic Sleep Spindle Detection for Investigating Circadian Phases	Dr. Reza Tafreshi	Award Tech. Completed	Texas A&M University at Qatar
	3129	UREP 08 - 069 - 2 - 024	Characterization of development verbal dyspraxia (DVD) specific voice impairments using short term spectral analysis	Prof. Beena Ahmed	Award Tech. Completed	Texas A&M University at Qatar
	131	CWSP2-C-0409-14038	26th IEEE International Conference on Microelectronics (ICM 2014)	Dr. Mazen Saghir	Award Tech. Completed	Texas A&M University at Qatar
	3128	UREP 08 - 067 - 2 - 023	Experiments of Surgical Threads Subjected to Bending and Torsional Loading	Dr. Annie Ruimi	Award Tech. Completed	Texas A&M University at Qatar
	133	CWSP2-W-0113-14005	1st Workshop on Smart Grid and Renewable Energy	Prof. Haitham Abu-Rub	Award Tech. Completed	Texas A&M University at Qatar
	3127	UREP 08 - 060 - 2 - 018	HYBRID WIND/SOLAR PV/ BATTERY SYSTEMS FOR TELECOMMUNICATION BASE STATION POWER SUPPLY IN QATAR	Prof. Haitham Abu-Rub	Award Tech. Completed	Texas A&M University at Qatar
	3126	UREP 08 - 059 - 2 - 017	An Experimental Investigation of the Effects of Ultra-High Pressure and Temperature on the Rheological Properties of Water-Based Drilling Fluids	Dr. Mahmood Amani	Award Tech. Completed	Texas A&M University at Qatar
	3125	UREP 08 - 054 - 2 - 014	Fast and accurate estimation of rock properties from 3D CT scan images using lattice-Boltzmann simulation	Dr. Hadi Nasrabadi	Award Tech. Completed	Texas A&M University at Qatar
	3120	UREP 08 - 043 - 2 - 011	Development of an interactive GPU-based reservoir simulator: Phase 1 - two-phase immiscible flow	Dr. Hadi Nasrabadi	Award Tech. Completed	Texas A&M University at Qatar
	3102	UREP 08 - 005 - 2 - 001	Investigation of Fluid Jetting Process for Optimized Stimulation of Oil & Gas Wells in Carbonate Reservoirs	Dr. Anuj Gupta	Award Tech. Completed	Texas A&M University at Qatar
	3092	UREP 07 - 134 - 2 - 037	Prototyping Automobile in Qatar	Prof. Houshang Masudi	Award Tech. Completed	Texas A&M University at Qatar
	3091	UREP 07 - 133 - 1 - 033	Investigation and Modeling of Analogue Quaternary Beach-Bar Complex at Jebel Fuwairit, NE Qatar	Dr. Anuj Gupta	Award Tech. Completed	Texas A&M University at Qatar
	3083	UREP 07 - 116 - 2 - 033	Robotic Upper Limb Prosthesis - Phase 1	Dr. Shehab Ahmed	Award Tech. Completed	Texas A&M University at Qatar
	142	CWSP3-C-0603-14067	Liberal Arts International Conference 2015	Dr. Leslie Seawright	Award Tech. Completed	Texas A&M University at Qatar
	3079	UREP 07 - 100 - 2 - 026	TECHNO-ECONOMIC ANALYSIS OF SOLAR PV/ BATTERY/FUEL ENGINE BASED HYBRID SYSTEM FOR TELECOM SECTOR IN QATAR	Prof. Haitham Abu-Rub	Award Tech. Completed	Texas A&M University at Qatar
	3061	UREP 07 - 058 - 2 - 013	A Study to Improve Spent Acid Recovery from Carbonate Formation	Dr. Mashhad Fahes	Award Tech. Completed	Texas A&M University at Qatar
	3020	UREP 06 - 062 - 2 - 011	Source term CFD modeling of heat transfer to LNG spills in containment pits: experiments and modeling of mitigation strategies including use of water curtain and high exp	Dr. Simon Waldram	Award Tech. Completed	Texas A&M University at Qatar
	3009	UREP 06 - 037 - 2 - 006	Enhancing Gas-Condensate Well Productivity using Wettability Alteration	Dr. Mashhad Fahes	Award Tech. Completed	Texas A&M University at Qatar
	2949	UREP 04 - 004 - 5 - 005	Regeneration and Recycling of Precipitated Solids in Ultra-High Lime with Aluminum Treatment Process	Prof. Ahmed Abdel-Wahab	Award Tech. Completed	Texas A&M University at Qatar
	149	CWSP4-C-0922-14013	10th International Conference on Cognitive Radio Oriented Wireless Networks	Dr. Khalid Qaraqe	Award Tech. Completed	Texas A&M University at Qatar
	151	CWSP5-C-1209-14005	Photonics Middle East Conference 2015	Prof. Milivoj Belic	Award Tech. Completed	Texas A&M University at Qatar
	2940	UREP 04 - 004 - 4 - 026	Design of an Open Hole Horizontal Well Experimental Facility and Investigation of Optimal Conveyance Technologies for Qatars North Field	Dr. Shehab Ahmed	Award Tech. Completed	Texas A&M University at Qatar
	2938	UREP 04 - 004 - 4 - 022	Measurement of CO2 minimum miscibility pressure for Qatari oil using slim tube experiment	Dr. Hadi Nasrabadi	Award Tech. Completed	Texas A&M University at Qatar
	2936	UREP 04 - 004 - 4 - 010	Experimental and Theoretical Modeling of a Wind Driven Sensor Platform A Tumbleweed for Environmental Analysis near Industrial Sites in Qatar	Prof. Alan Barhorst	Award Tech. Completed	Texas A&M University at Qatar
	2935	UREP 04 - 004 - 4 - 008	Design and construction of an automated air jet calibration facility	Prof. Reza Sadr	Award Tech. Completed	Texas A&M University at Qatar
	2934	UREP 04 - 004 - 4 - 006	Reduction behavior of cobalt catalysts for GTL conversion	Dr. Dragomir Bukur	Award Tech. Completed	Texas A&M University at Qatar
	2932	UREP 04 - 004 - 4 - 004	Advanced Control For Wheelchair Drive System	Prof. Haitham Abu-Rub	Award Tech. Completed	Texas A&M University at Qatar

	2930	UREP 04 - 004 - 3 - 233	Wavelets Analysis of Sleep EEG to Identify Sleep Spindles	Dr. Reza Tafreshi	Award Tech. Completed	Texas A&M University at Qatar
	2893	UREP 03 - 003 - 5 - 103	A comparative assessment of simulation tools for environmental impact assessment of biocide emissions from cooling water discharge	Prof. Patrick Linke	Award Tech. Completed	Texas A&M University at Qatar
	2889	UREP 03 - 003 - 5 - 033	Study of Potential for Radiocarbon Dating of Qatar Petroglyphs		Award Tech. Completed	Texas A&M University at Qatar
	2888	UREP 03 - 003 - 5 - 023	Design and Synthesis of a Molecular Machine	Prof. Dave Seapy	Award Tech. Completed	Texas A&M University at Qatar
	2887	UREP 03 - 003 - 5 - 013	Photochemical Generation Of Organometallic Linkage Isomers	Dr. Ashfaq Bengali	Award Tech. Completed	Texas A&M University at Qatar
	2885	UREP 03 - 003 - 4 - 193	Development of a Web Based Power Quality Monitoring and Analysis System		Award Tech. Completed	Texas A&M University at Qatar
	2884	UREP 03 - 003 - 4 - 163	Wettability Alteration in Carbonate Reservoirs for Improved Condensate Recovery and Water Injectivity	Dr. Mashhad Fahes	Award Tech. Completed	Texas A&M University at Qatar
	2883	UREP 03 - 003 - 4 - 143	CO2 Storage in Saline Water: An Integral Part of CO2 Sequestration in Geologic Formation	Prof. Ashraf Salama	Award Tech. Completed	Texas A&M University at Qatar
	2881	UREP 03 - 003 - 4 - 093	The Effect of Wettability Changes on Spent Acid Recovery	Dr. Mashhad Fahes	Award Tech. Completed	Texas A&M University at Qatar
	2855	UREP 02 - 022 - 2 - 071	Performance Evaluation of an Outside Air Pretreatment System for Residential Applications	Dr. Michael Davis	Award Tech. Completed	Texas A&M University at Qatar
	2850	UREP 02 - 004 - 2 - 271	Geometrical Information and Chemical Properties of Sand Particles in Qatar Environment	Prof. Houshang Masudi	Award Tech. Completed	Texas A&M University at Qatar
	2847	UREP 02 - 004 - 1 - 771	Investigation of Solar Energy Applications to Qatar with Design and Implementation to Photovoltaic Traffic Signal Systems	Dr. Hassan Moghbelli	Award Tech. Completed	Texas A&M University at Qatar
	2829	UREP 02 - 002 - 4 - 771	Characterization of Qatari Oil	Dr. Raffie Hosein	Award Tech. Completed	Texas A&M University at Qatar
	2828	UREP 02 - 002 - 4 - 571	Energy Saving by Power Factor Correction and Applications to Qatar Industries	Dr. Hassan Moghbelli	Award Tech. Completed	Texas A&M University at Qatar
	2805	UREP 02 - 002 - 1 - 071	Computational Intelligence Approach to Machinery Fault Diagnosis	Dr. Reza Langari	Award Tech. Completed	Texas A&M University at Qatar
	2797	UREP 01 - 001 - 5 - 066	The Rumor as a crime at Doha Stock Market		Award Tech. Completed	Texas A&M University at Qatar
	2796	UREP 01 - 001 - 4 - 356	Utilization of Byproduct Sulfur for Treatment of Hazardous Wastes (Phase 1)	Prof. Mohamed Nounou	Award Tech. Completed	Texas A&M University at Qatar
	2786	UREP 01 - 001 - 4 - 126	Study of Monomeric and Polymeric Charge-Transfer Interactions	Prof. Hassan Bazzi	Award Tech. Completed	Texas A&M University at Qatar
	2785	UREP 01 - 001 - 4 - 116	Sensitivity Analysis of Adsorption Isotherms Subject to Measurement Noise in the Data	Prof. Mohamed Nounou	Award Tech. Completed	Texas A&M University at Qatar
	2784	UREP 01 - 001 - 4 - 106	Improved Accuracy of Adsorption Isotherms using Multiscale Estimation	Prof. Mohamed Nounou	Award Tech. Completed	Texas A&M University at Qatar
	2783	UREP 01 - 001 - 4 - 096	Amphiphilic Block Copolymers via ROMP	Prof. Hassan Bazzi	Award Tech. Completed	Texas A&M University at Qatar
	2767	UREP 01 - 001 - 2 - 366	Silica and Sulfate Removals in Inland Desalination Using Reverse Osmosis	Dr. Md. Wahab	Award Tech. Completed	Texas A&M University at Qatar
	2763	UREP 01 - 001 - 2 - 186	Reactors and Catalysts for Gas-to-Liquids (GTL) and Coal-to-Liquids (CTL) Technologies	Dr. Dragomir Bukur	Award Tech. Completed	Texas A&M University at Qatar
	2762	UREP 01 - 001 - 2 - 176	Obtaining PVT Correlations for Qatari Crude Oil	Dr. Raffie Hosein	Award Tech. Completed	Texas A&M University at Qatar
	2760	UREP 01 - 001 - 2 - 136	Condensate Water Capture and Reuse in an Institutional Building	Dr. Alan Weber	Award Tech. Completed	Texas A&M University at Qatar
	2077	PDRAS-0422-19004	Solar Roof Tile: Transforming Residential Photovoltaic Systems in Qatar		Award Tech. Completed	Texas A&M University at Qatar
	1942	NPRP9-448-2-176	Constitutive modelling and investigation of bond-slip relationship in concrete for direct liquefied natural gas containment	Dr. Reginald Kogbara	Award Tech. Completed	Texas A&M University at Qatar
	1934	NPRP9-383-1-083	Engineered light for biomedical and energy harvesting applications	Prof. Stylianos Tzortzakis	Award Tech. Completed	Texas A&M University at Qatar
	1933	NPRP9-377-1-080	Bridging the gap between homogeneous and heterogeneous catalysis through MOF supported catalysts	Dr. Sherzod Madrahimov	Award Tech. Completed	Texas A&M University at Qatar
	1927	NPRP9-336-1-069	Arithmetic of Drinfeld Modular Forms	Prof. Nordine Mir	Award Tech. Completed	Texas A&M University at Qatar
	1925	NPRP9-330-2-140	Enhanced Monitoring using Statistical Fault Detection Methods and Applications to Photovoltaic Systems and Genomic Data	Dr. Majdi Mansouri	Award Tech. Completed	Texas A&M University at Qatar
	1923	NPRP9-328-1-066	The Experimental High Energy Physics Program in Qatar	Prof. Othmane Bouhali	Award Tech. Completed	Texas A&M University at Qatar
	1920	NPRP9-310-2-134	Microgrids Advanced Dynamic Control Architecture and Distributed Energy Optimization	Prof. Haitham Abu-Rub	Award Tech. Completed	Texas A&M University at Qatar
	1909	NPRP9-246-1-054	Responsively Soluble Polymers for Purification of Organic and Aqueous Solutions	Prof. Hassan Bazzi	Award Tech. Completed	Texas A&M University at Qatar
	1898	NPRP9-204-2-103	A Fault-Tolerant Capacitor-less Power Quality Compensator for Electrical Distribution Systems	Dr. Robert Balog	Award Tech. Completed	Texas A&M University at Qatar
	1888	NPRP9-166-1-031	Chaotic Dynamics of Distributed Vibrating Systems Containing Nonlinearities in Multidimensional Spaces	Dr. Tingwen Huang	Award Tech. Completed	Texas A&M University at Qatar
	1886	NPRP9-160-2-088	Molecular Engineering of 2D Catalysts for Hydrodesulfurization: Upgradation of Fossil Fuels	Dr. Mohammed Al-Hashimi	Award Tech. Completed	Texas A&M University at Qatar
	1872	NPRP9-077-2-036	Optical Wireless Communications: Complementary Technology for Solving RF Spectrum Congestion in 5G Heterogeneous Networks	Dr. Khalid Qaraqe	Award Tech. Completed	Texas A&M University at Qatar
	1871	NPRP9-069-1-018	Protecting Building Automation Networks From Insider Attacks	Dr. Hussein Alnuweiri	Award Tech. Completed	Texas A&M University at Qatar
	1868	NPRP9-055-2-022	Hybrid AC/DC Islanded Micro-grids in Qatar: Planning, Operation, and Cyber Security	Prof. Erchin Serpedin	Award Tech. Completed	Texas A&M University at Qatar
	1867	NPRP9-052-2-020	Air Pollution Cleanup-Based Water-Energy-Food Nexus Technology	Dr. Konstantinos Kakosimos	Award Tech. Completed	Texas A&M University at Qatar
	1861	NPRP9-020-1-006	Self-generated spatiotemporal nanostructuring of laser light applied to energy transport and reconfigurable guiding networks in nanophotonics, plasmonic, and hybrid nan	Prof. Wieslaw Krolikowski	Award Tech. Completed	Texas A&M University at Qatar
	1847	NPRP8-856-2-364	Microstructure Design of Biocompatible Magnesium Alloys for Biodegradable Medical Implants – In vitro and In vivo Validation	Prof. Bilal Mansour	Award Tech. Completed	Texas A&M University at Qatar
	1843	NPRP8-735-1-154	Absorption spectroscopy with frequency comb lasers for breath analysis	Prof. Hans Schuessler	Award Tech. Completed	Texas A&M University at Qatar
	1826	NPRP8-425-1-087	Investigation of interactions responsible for amyloid formation in various diseases	Dr. Michael Hall	Award Tech. Completed	Texas A&M University at Qatar
	1813	NPRP8-293-2-124	Apraxia World: An interactive, technology-based comprehensive tool for remote speech therapy of childhood apraxia of speech	Prof. Jim Ji	Award Tech. Completed	Texas A&M University at Qatar
	1811	NPRP8-274-2-107	Design of Energy-Efficient On-Chip Power Delivery: A System-Theoretic Approach	Dr. Tingwen Huang	Award Tech. Completed	Texas A&M University at Qatar
	1805	NPRP8-246-1-060	Photonics with Structured Light for Applications in Communication and Nano-technologies	Prof. Wieslaw Krolikowski	Award Tech. Completed	Texas A&M University at Qatar
	1803	NPRP8-245-1-059	Directed Self-assembly and Alignment of Conjugated Polymers for High Performance Plastic Electronics	Dr. Mohammed Al-Hashimi	Award Tech. Completed	Texas A&M University at Qatar
	1800	NPRP8-241-2-095	Integration of Solar Generation and Electrical Vehicles Into The Smart Grid	Prof. Mladen Kezunovic	Award Tech. Completed	Texas A&M University at Qatar
	1792	NPRP8-2048-2-804	Energy Storage Flywheels to Enable Renewable Energy and for Uninterruptible Power Source Service	Prof. Alan Palazzolo	Award Tech. Completed	Texas A&M University at Qatar
	1776	NPRP8-1648-2-688	Development of a State-of-the-Art Thermodynamic Model for Mixtures Containing Water, Carbon Dioxide, Salts and Hydrocarbons in Bulk and in Confinement	Prof. Ioannis Economou	Award Tech. Completed	Texas A&M University at Qatar
	1773	NPRP8-1606-3-322	Fluorescence Lifetime Imaging Endoscope for Early Detection of Oral Cancer	Prof. Javier Jo	Award Tech. Completed	Texas A&M University at Qatar
	1769	NPRP8-1545-2-657	Power control, Mobility and Interference Management for Underlay D2D Communications in 5G Networks	Dr. Mohammad Shaqfeh	Award Tech. Completed	Texas A&M University at Qatar
	1756	NPRP8-1358-2-579	Liquid-Fuel Combustion at Engine Conditions Using Laminar Flames and an Aerosol Shock Tube in Qatar	Dr. Eric Petersen	Award Tech. Completed	Texas A&M University at Qatar
	1754	NPRP8-1339-2-569	Quantitative Safety Assessment of Hydrocarbon Transportation Pipelines	Dr. Luc VECHOT	Award Tech. Completed	Texas A&M University at Qatar
	1752	NPRP8-1292-2-548	Qatar Water Distribution Systems: Transition to Smarter Networks	Dr. Margaret Banks	Award Tech. Completed	Texas A&M University at Qatar
	1744	NPRP8-094-1-018	Investigating the mechanisms of iron catalyzed organic transformations	Dr. Sherzod Madrahimov	Award Tech. Completed	Texas A&M University at Qatar
	1739	NPRP8-052-2-029	Security Beyond Encryption: Physical-layer Techniques for Obfuscating Communication Fingerprints	Prof. Ali Ghraryeb	Award Tech. Completed	Texas A&M University at Qatar
	1738	NPRP8-028-1-001	Nonlinear photonics for all-optical information technologies	Prof. Milivoj Belic	Award Tech. Completed	Texas A&M University at Qatar
	1586	NPRP12S-0301-190191	Concentrating light technologies for the continuous synthesis of particle and deposition based functional materials with in-situ high temperature heating	Dr. Konstantinos Kakosimos	Award Tech. Completed	Texas A&M University at Qatar
	1573	NPRP12S-0225-190152	Towards Intelligent Next Generation Wireless Systems: Multi-Dimensional Intelligent Sensing and Signal Identification	Dr. Khalid Qaraqe	Award Tech. Completed	Texas A&M University at Qatar
	1508	NPRP11S-1204-170062	High Performance Multifunctional Smart Windows Using Novel Thermochromic Materials for Energy Conservation	Dr. Mohammed Al-Hashimi	Award Tech. Completed	Texas A&M University at Qatar
	1504	NPRP11S-1129-170045	Robust Field Capable Assessment of Surface Modified Nickel Superalloys	Dr. Michael Schuller	Award Tech. Completed	Texas A&M University at Qatar
	1503	NPRP11S-1128-170042	Advanced 3D-sculptured materials for catalysis	Prof. Stylianos Tzortzakis	Award Tech. Completed	Texas A&M University at Qatar
	1502	NPRP11S-1128-170041	Use of locally produced recycled polymer as asphalt binder modifier for roads in Qatar	Dr. Eyad Masad	Award Tech. Completed	Texas A&M University at Qatar
	1501	NPRP11S-1126-170033	Self-organized optical structures in semiconductor heterojunctions, nanocomposites, metamaterials, photovoltaics, and plasmonics, for applications in energy and informati	Prof. Milivoj Belic	Award Tech. Completed	Texas A&M University at Qatar
	1500	NPRP11S-1126-170031	Comprehensive Experimental Testing and Modeling of the Effect of Acoustic Waves on the Improvement of Oil Recovery in Qatar's Oil Reservoirs	Dr. Albertus Retnanto	Award Tech. Completed	Texas A&M University at Qatar
	1482	NPRP11S-0116-180320	Graphene Carbocatalysts for the Electrocatalytic Reduction of CO2 to Fuels	Prof. Edward Brothers	Award Tech. Completed	Texas A&M University at Qatar
	1455	NPRP10-1231-160071	Smart, Secure, Non Invasive Wearable System for Proactive Detection of Hypoglycemic Events	Dr. Khalid Qaraqe	Award Tech. Completed	Texas A&M University at Qatar
	1454	NPRP10-1231-160069	Sustainable Reuse of Hypersaline Oil-Produced Water for Green Energy Production	Prof. Ahmed Abdel-Wahab	Award Tech. Completed	Texas A&M University at Qatar
	1453	NPRP10-1230-160062	Development of A Field-Deployable Electrodynamical Dust Shield Technology for Mitigation of Photovoltaic Soiling	Dr. Bing Guo	Award Tech. Completed	Texas A&M University at Qatar
	1452	NPRP10-1223-160045	Efficient Energy Management System with Integrated Cybersecurity Measures in Qatar's Smart Grid	Prof. Erchin Serpedin	Award Tech. Completed	Texas A&M University at Qatar

1448	NPRP10-1215-160030	Systematic Design and Techno-Economic Evaluation of Advanced Heat-to-Cooling Systems for Upgrading the Qatari Cooling Infrastructure (COOLUP)	Prof. Ibrahim Hassan	Award Tech. Completed	Texas A&M University at Qatar
1447	NPRP10-1214-160025	Polymer Enhanced Foams to Improve Oil Recovery in Qatari Reservoirs. Increasing Foam Flow Understanding & Developing an Innovative Technology for Water & Gas Confo	Prof. Ioannis Economou	Award Tech. Completed	Texas A&M University at Qatar
1445	NPRP10-1210-160019	Solar-Powered Desalination Process Accompanying CO2 Conversion and Water Purification	Dr. Nimir Elbashir	Award Tech. Completed	Texas A&M University at Qatar
1441	NPRP10-1204-160009	Vibration Monitoring and Suppression in Oil and Gas Piping Systems using a Novel Concept combining Shape Memory Alloy and Metamaterial inspired Structures	Prof. Sami EL-BORGI	Award Tech. Completed	Texas A&M University at Qatar
1394	NPRP10-0125-170246	Renewable Energy via Earth-Abundant Catalysts	Prof. Edward Brothers	Award Tech. Completed	Texas A&M University at Qatar
1382	NPRP10-0115-170165	Advanced Study on Stability of Modern Drilling Foams	Dr. Mahmod Amani	Award Tech. Completed	Texas A&M University at Qatar
1379	NPRP10-0111-170152	Environmental Monitoring of Hydrocarbons using a Selective, Sensitive and Trainable Electronic BTEX Sensing Platform Integrating Nanoporous Polymer Receptors and Carb	Dr. Mohammed Al-Hashimi	Award Tech. Completed	Texas A&M University at Qatar
1376	NPRP10-0105-170118	Unveiling corrosion mechanisms and investigating its prevention using multi-scale computational modeling	Prof. Othmane Bouhali	Award Tech. Completed	Texas A&M University at Qatar
1374	NPRP10-0104-170104	Microporous Reservoirs of Qatar: Origins, Petrophysics and Producibility	Dr. Thomas Seers	Award Tech. Completed	Texas A&M University at Qatar
1372	NPRP10-0101-170091	Scaling of Multiphase Flow Pressure Loss and Multiphase Flow Metering in Annuli	Dr. Mohammad Rahman	Award Tech. Completed	Texas A&M University at Qatar
1371	NPRP10-0101-170086	Experimental Studies of Multiphase Flow in Porous Media Using In-Situ Imaging	Dr. Nayef Alyafei	Award Tech. Completed	Texas A&M University at Qatar
1370	NPRP10-0101-170085	On Line Continuous Monitoring, Detection, and Location of Partial Discharge and Dynamic Aging in Medium and High Voltage Electrical Insulation	Dr. Shady Khalil	Award Tech. Completed	Texas A&M University at Qatar
1369	NPRP10-0101-170082	Smart Grid Dynamic Control and Management with Big Data Process Platform	Prof. Haitham Abu-Rub	Award Tech. Completed	Texas A&M University at Qatar
1368	NPRP10-0101-170081	Full Scale, High Temperature and High Pressure Industry Test-bed for Increased Horizontal and Vertical Drilling Efficiency and Reliability	Dr. Mohamed Gharib	Award Tech. Completed	Texas A&M University at Qatar
1367	NPRP10-0101-170076	Lab-on-chip system for point-of-care cardiac biomarker screening utilizing sensitive photonic sensor	Prof. Reza Sadr	Award Tech. Completed	Texas A&M University at Qatar
1366	NPRP07-8-6-7-2	Development of Low Emissions – High Efficiency Natural Gas Engine: Implementation of Homogenous Charge Compression Ignition (HCCI) Technologies	Prof. Jerald Caton	Award Tech. Completed	Texas A&M University at Qatar
1365	NPRP07-8-6-7-1	THE INFLUENCE OF ELECTRONIC AND STERIC EFFECTS ON THE REACTIVITY OF THE METAL-(η^2 -AROMATIC) BOND: A LASER FLASH PHOTOLYSIS STUDY WITH INFRARED DETECT	Dr. Ashfaq Bengali	Award Tech. Completed	Texas A&M University at Qatar
1363	NPRP07-30-6-7-77	DEVELOPMENT AND VERIFICATION OF A VAV AIR DISTRIBUTION SYSTEM MODEL USING FAN-POWERED TERMINAL UNITS FOR LARGE COMMERCIAL FACILITIES	Dr. John Bryant	Award Tech. Completed	Texas A&M University at Qatar
1359	NPRP07-30-6-7-35	Utilizing Laser Spectroscopy of Noble Gas Tracers for Mapping Oil and Gas Deposits	Prof. Hans Schuessler	Award Tech. Completed	Texas A&M University at Qatar
1357	NPRP07-30-6-7-16	Improved Nonlinear Modeling using Multiscale Estimation	Prof. Mohamed Nounou	Award Tech. Completed	Texas A&M University at Qatar
1352	NPRP07-29-6-7-4	Universal Signaling Schemes for Multimedia Transmission over Wireless Networks	Dr. Khalid Qaraqe	Award Tech. Completed	Texas A&M University at Qatar
1351	NPRP07-29-6-7-39	A Holistic Approach to the Sustainable Use of Seawater for Process Cooling	Prof. Ahmed Abdel-Wahab	Award Tech. Completed	Texas A&M University at Qatar
1350	NPRP07-29-6-7-30	Study of CO2 injection in oil reservoirs and saline aquifers in Qatar for dual purpose of carbon sequestration and improved oil recovery	Dr. Hadi Nasrabadi	Award Tech. Completed	Texas A&M University at Qatar
1347	NPRP07-28-6-7-8	Novel biodetection methods	Prof. Hassan Bazzi	Award Tech. Completed	Texas A&M University at Qatar
1346	NPRP07-28-6-7-7	Synthesis, characterization and applications of novel lipophilic metathesis catalysts	Prof. Hassan Bazzi	Award Tech. Completed	Texas A&M University at Qatar
1345	NPRP07-28-6-7-33	Using Horizontal and Multilateral Well with Intelligent Completion to Develop Gas Fields in Qatar	Dr. Ding Zhu	Award Tech. Completed	Texas A&M University at Qatar
1344	NPRP07-28-6-7-32	Activation Studies with Cobalt Catalysts for Gas-to-Liquid Conversion	Dr. Dragomir Bukur	Award Tech. Completed	Texas A&M University at Qatar
1343	NPRP07-28-6-7-28	Scalable wireless multimedia in Qatar (and the rest of the world)	Dr. Khalid Qaraqe	Award Tech. Completed	Texas A&M University at Qatar
1340	NPRP07-27-6-7-25	Innovative Design of Road Materials Using Physio-Chemical Properties, Imaging Techniques and Constitutive Modeling	Dr. Eyad Masad	Award Tech. Completed	Texas A&M University at Qatar
1338	NPRP07-27-6-7-21	Natural Gas Fed Fuel Cell Power Generation and Economic Development	Dr. Shehab Ahmed	Award Tech. Completed	Texas A&M University at Qatar
1337	NPRP07-27-6-7-10	Collaborative Strategies for 60 GHz Wireless Personal Area Networks	Dr. Hussein Alnuweiri	Award Tech. Completed	Texas A&M University at Qatar
1333	NPRP07-26-6-7-10	Design and Analysis of New Generation of Protocols for Triple-Play Networks	Dr. Hussein Alnuweiri	Award Tech. Completed	Texas A&M University at Qatar
1330	NPRP07-25-6-7-2	Nonlinear Photonics for All-optical Telecommunication and Information Technologies	Prof. Milivoj Belic	Award Tech. Completed	Texas A&M University at Qatar
1326	NPRP07-1-7-7-6	Quantum entanglement for secure communication	Prof. Hyunchoo Nha	Award Tech. Completed	Texas A&M University at Qatar
1318	NPRP X - 100 - 2 - 024	Design of Novel Catalysts and Processes for CO2 Conversion from Micro- to Macroscale	Dr. Nimir Elbashir	Award Tech. Completed	Texas A&M University at Qatar
1317	NPRP X - 095 - 1 - 024	Synthesis of Novel and Sustainable Functionalized Linear and Cyclic Polymers via Olefin Metathesis	Prof. Hassan Bazzi	Award Tech. Completed	Texas A&M University at Qatar
1313	NPRP X - 033 - 2 - 007	1-MW PV Power RD&D Using SiC-based qZS Cascade Multilevel Inverter and Battery Energy Storage	Prof. Haitham Abu-Rub	Award Tech. Completed	Texas A&M University at Qatar
1244	NPRP 7 - 299 - 2 - 124	Smart PV Skin: Grid-Connected, Non-Planar Photovoltaic Systems	Dr. Robert Balog	Award Tech. Completed	Texas A&M University at Qatar
1211	NPRP 7 - 1634 - 2 - 604	Self-sustainable and Highly Efficient Desalination System based on Microbe-Nanostructure Hybrids	Prof. Arum Han	Award Tech. Completed	Texas A&M University at Qatar
1048	NPRP 6 - 1304 - 2 - 525	Study of thin liquid film dynamics induced by multiple droplet impingement	Dr. Jorge Alvarado	Award Tech. Completed	Texas A&M University at Qatar
375	HSREP01-0422-190055	Indoor Air Quality and Building Ingress Control Technologies	Dr. Konstantinos Kakosimos	Award Tech. Completed	Texas A&M University at Qatar
380	HSREP01-0428-190071	Design and Fabrication of a Modular Python-Like Robot for Horizontal and Vertical Pipeline Inspection	Dr. Mohamed Gharib	Award Tech. Completed	Texas A&M University at Qatar
846	NPRP 4 - 892 - 2 - 335	Hands-on Experiment via Internet - To Develop a Unified Remote Laboratory Framework for Cross Nation Engineering Education	Prof. Gangbing Song	Award Tech. Completed	Texas A&M University at Qatar
741	NPRP 4 - 1162 - 1 - 181	Chaotic Dynamics of Distributed Parameter Systems Containing Nonlinearities	Dr. Tingwen Huang	Award Tech. Completed	Texas A&M University at Qatar
3484	UREP 16 - 063 - 2 - 010	Development and testing a thermal imaging software for heat transfer measurements	Prof. Ibrahim Hassan	Award Terminated	Texas A&M University at Qatar
3453	UREP 15 - 050 - 2 - 016	Miniature Heat Sink Design for Electronic Cooling	Prof. Reza Sadr	Award Terminated	Texas A&M University at Qatar
81	CWSP17-C-0912-19023	Functional Materials for Energy, Catalysis and Healthcare Applications – Chemistry Greets Industry f	Dr. Mohammed Al-Hashimi	Award Terminated	Texas A&M University at Qatar
84	CWSP17-W-0915-19030	Advances in Land and Sea Autonomous Vehicles	Prof. Mansour Karkoub	Award Terminated	Texas A&M University at Qatar
88	CWSP18-C-0130-20028	Engineering Female Leaders in Qatar	Dr. Annie Ruimi	Award Terminated	Texas A&M University at Qatar
3294	UREP 11 - 142 - 2 - 051	Integration of Sensors and Data Acquisition for a Motorized Wheel Chair Simulator Platform with a Virtual Environment	Dr. Andrew Conkey	Award Terminated	Texas A&M University at Qatar
1526	NPRP11S-1227-170137	Optimal Water Alternated with CO2 injection for Enhancing Oil Recovery (EOR) of Qatari Carbonate Reservoirs	Prof. Dominique Guerillot	Award Terminated	Texas A&M University at Qatar
1200	NPRP 7 - 1495 - 6 - 042	Cool living heritage in Qatar: sustainable alternatives to air-conditioned urban development.	Prof. Tim Winter	Award Terminated	Texas A&M University at Qatar
895	NPRP 5 - 1255 - 2 - 549	Multiscale Analysis of Hybrid Micro and Nano Composite Asphalt for Fracture Resistant and Sustainable Pavements	Dr. Eyad Masad	Award Terminated	Texas A&M University at Qatar
886	NPRP 5 - 1121 - 1 - 194	Fluid flow features on the seafloor of the Arabian Gulf	Dr. Niall Slowey	Award Terminated	Texas A&M University at Qatar
768	NPRP 4 - 1517 - 1 - 245	Mechanistic Studies and Development of Catalysts for Dehydrogenation and Metathesis of Alkanes	Dr. Ashfaq Bengali	Award Terminated	Texas A&M University at Qatar
524	NPRP 08 - 317 - 2 - 111	Experimental and Simulation Investigations of Sulfur Deposition in Sour Gas Reservoirs: Formation, Removal and Mitigation	Dr. Sheddid Elgaghah	Award Terminated	Texas A&M University at Qatar
500	NPRP 08 - 089 - 2 - 019	Optimal Field Development Using Novel Characterization and Upgridding Techniques for Qatar Gas Reservoirs	Dr. Sheddid Elgaghah	Award Terminated	Texas A&M University at Qatar
3620	UREP20-028-1-011	Wave Height Distributions Off Qatar's Coast: Supplementing QMD's Products	Dr. VIJAY PANCHANG	Award Withdrawn	Texas A&M University at Qatar
2086	PDRA7-0307-21001	Three-Dimensional Printing of Structures Using Sustainable Materials	Dr. Eyad Masad	Award Withdrawn	Texas A&M University at Qatar
2063	PDRA2-1111-14079	Physical-Layer Security for Massive-MIMO Systems		Award Withdrawn	Texas A&M University at Qatar
2061	PDRA2-1110-14065	Single-stage PV Based Current Source Inverter Topologies for Industrial and Residential Applications		Award Withdrawn	Texas A&M University at Qatar
2059	PDRA2-1103-14038	Enhanced Sustainable Operation of Wastewater Treatment Plants		Award Withdrawn	Texas A&M University at Qatar
2049	PDRA1-1204-13008	ANDRE ZUBER - Postdoctoral Research		Award Withdrawn	Texas A&M University at Qatar
1336	NPRP07-26-6-7-8	Development of a Computational Groundwater Model for Qatar	Dr. Michael Piliant	Award Withdrawn	Texas A&M University at Qatar
442	JSREP 06 - 008 - 2 - 002	Multivariate Statistical Process Monitoring and Applications	Dr. Fouzi Harrou	Award Withdrawn	Texas A&M University at Qatar
554	NPRP 08 - 551 - 2 - 224	Density, Speed of Sound, and Phase Equilibria Measurements of Acid Gas Mixtures Used in Sequestration and Enhanced Oil Recovery Processes	Prof. James Holste	Award Withdrawn	Texas A&M University at Qatar