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1	Water	ASRT/SNG/W/2018-1	Wastewater treatment of industrial refineries
2		ASRT/SNG/W/2018-2	Hyperbranched polymeric membranes for industrial water purification
3		ASRT/SNG/W/2018-3	Utilizations of hyperbranched hydrogels
4		ASRT/SNG/W/2018-4	Standard guide for calibrating a ground water flow model
5		ASRT/SNG/W/2018-5	Environmental Modeling
6		ASRT/SNG/W/2018-6	Early Warning System
7		ASRT/SNG/W/2018-7	Low coast ecofriendly waste water treatment methodology
8		ASRT/SNG/W/2018-8	Use of solar energy to purify wastewater in unconventional ways such as advanced oxidation
9		ASRT/SNG/W/2018-9	Water mangment and rationlization
10		ASRT/SNG/W/2018-10	Devlopment of forward osmosis membranes by casting for seawater desalination
11	Communications and space science	ASRT/SNG/CS/2018-1	3D Image Processing
12		ASRT/SNG/CS/2018-2	SAR Satellite Systems
13		ASRT/SNG/CS/2018-3	The use of artificial intelligence in spacecraft
14		ASRT/SNG/CS/2018-4	Development of the control means of satellite orbits
15		ASRT/SNG/CS/2018-5	Integral study of the magnetic field using magnetic observatories in Egypt and satellites
16		ASRT/SNG/CS/2018-6	For satellite communication using Chaos modulation
17		ASRT/SNG/CS/2018-7	Applications of Remote Sensing and Geographic Information Systems in Coastal Management
18		ASRT/SNG/E/2018-1	Encouraging local manufacturing of recently- developed efficient batteries
19		ASRT/SNG/E/2018-2	Analysis of seismic survey data
20		ASRT/SNG/E/2018-3	Establishment of centers of excellent for improving energy storage media
21		ASRT/SNG/E/2018-4	Applying the concept of smart and distributed electrical grids with optimised storage capacity and location
22		ASRT/SNG/E/2018-5	Development of flow batteries using nanofluids
23		ASRT/SNG/E/2018-6	Room ttemperature super conducting magnetic energy storage
24		ASRT/SNG/E/2018-7	Modular photovoltaic / battery / ultracapacitor systems for houses
25		ASRT/SNG/E/2018-8	Utilization of rechargeable batteries (Lithium ion batteries) for developing new transport technologies e.g. EV, PHEV electrified cars
26		ASRT/SNG/E/2018-9	Conceptual models for smar cities and residential communities powered by renewable energy
27		ASRT/SNG/E/2018-10	Thermal energy storage using layer of different materials (spongy material)
28		ASRT/SNG/E/2018-11	Using porous Alpha-plus past in batteries
29		ASRT/SNG/E/2018-12	Deep cycle battery using nano- materials for renewable energy storage system
30		ASRT/SNG/E/2018-13	Improving battery technology to increase life time and number of charge / discharge Cycles
31		ASRT/SNG/E/2018-14	Preparation of special materials to be used in the treatment of holes of cold oil pipes by injection
32		ASRT/SNG/E/2018-15	Recycling of Industrial Wastes for Conserving Primary Mineral Resources and Pollution Mitigation by Using Mineral Processing Technologies

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33	Energy	ASRT/SNG/E/2018-16	Hybrid Fuel cell for microturbine
34		ASRT/SNG/E/2018-17	Developing new agriculture crops for biodiesel production as castor and jacropha
35		ASRT/SNG/E/2018-18	Increasing the efficiency of water pumping supplies by PV
36		ASRT/SNG/E/2018-19	Combining molecular power stations for hydrogen storage units
37		ASRT/SNG/E/2018-20	Hybrid unit Wind Solar Hydrogen PV
38		ASRT/SNG/E/2018-21	Semi-industrial scale production of ligninolytic anzymes for bioenergy
39		ASRT/SNG/E/2018-22	Biogas fermentation and macrobial Fuel cell
40		ASRT/SNG/E/2018-23	Using biomass for heat and electricity production
41		ASRT/SNG/E/2018-24	LED lighting technology
42		ASRT/SNG/E/2018-25	Urban wind turbine through manufacturing small wind turbines and install it on the roof of high buildings with PV
43		ASRT/SNG/E/2018-26	Smart systems in power saving (smart meter, smart grid and sensors) to enhance the energy efficiency
44		ASRT/SNG/E/2018-27	Utilization of superconducting materials for energy transmission
45		ASRT/SNG/E/2018-28	Using electrostatic technology to reduce coal pollution
46		ASRT/SNG/E/2018-29	Develoment of depleted wells using hot water for Enhancing Oil Recovery
47		ASRT/SNG/E/2018-30	Covery of waste energy
48		ASRT/SNG/E/2018-31	Preparation of synthetic oils from petroleum materials for use in extreme conditions
49		ASRT/SNG/E/2018-32	Hydrogen storage using advanced materials
50		ASRT/SNG/E/2018-33	Gasification of biomass portion of municiple waste
51		ASRT/SNG/E/2018-34	Steam performing of bio gas/syn gas for hydrogen productuion
52		ASRT/SNG/E/2018-35	Hydrogen bioproduction using bacteria &/or micro algae
53		ASRT/SNG/E/2018-36	Bioconversion of wastes into fuel
54		ASRT/SNG/E/2018-37	Hydrogen production from organic waste
55		ASRT/SNG/E/2018-38	Biohydrogen production from micro algae
56		ASRT/SNG/E/2018-39	development of guidelines for sustainable agriculture and adoption of soilless agriculture for livestock production using renewable energy
57		ASRT/SNG/E/2018-40	development of small scale devices for charcoal from agriculture Waste suitable for Egyptian farming
58		ASRT/SNG/E/2018-41	creation of forests sewage water for wood pellet production as alternative
59		ASRT/SNG/E/2018-42	soil transformation from Nasser lake to increase fertility of Egyptian land soil
60		ASRT/SNG/E/2018-43	Appling green building for reducing global warming, energy consumption and cost
61		ASRT/SNG/E/2018-44	Local production of ductile iron castings for wind turbine applications via a technology transfer
62		ASRT/SNG/E/2018-45	Capture and conversion of CO2 and possible mixing with other gases for producing of liquid fuels
63		ASRT/SNG/E/2018-46	Production of high purity Si for Solar PV applications from local sand ore grade (raw materials)
64		ASRT/SNG/E/2018-47	Development of materials for fuel cell applications (Portable power generation / Transportation)

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65		ASRT/SNG/E/2018-48	Photocatalytic production of Fine chemicals and Hydrogen from biomass
66		ASRT/SNG/E/2018-49	Carbon based materials/ Metal oxide nano materials for energy applications such as composite electrodes , Li-S batteries Hybrid super capacitors and Water splitting
67		ASRT/SNG/E/2018-50	Develop Geothermal power plants for producing electricity
68		ASRT/SNG/E/2018-51	Develop wind turbine to generate electric energy lowest wind spins
69		ASRT/SNG/E/2018-52	Design solar chimney to generate electricity
70		ASRT/SNG/E/2018-53	Sustainable environmental Planning
71		ASRT/SNG/E/2018-54	Energy Footprint
72		ASRT/SNG/E/2018-55	Studies on reactor materials for use and purification of raw materials
73		ASRT/SNG/E/2018-56	Concentration and extraction of Egyptian beryllium ores
74		ASRT/SNG/E/2018-57	Extracting the raw materials of Niobium and Egyptian Tantalum and trying to extract its elements <
75		ASRT/SNG/E/2018-58	Study the extraction of final products of black sand concentrated
76		ASRT/SNG/E/2018-59	Reflection of the new Suez Canal project on the Egyptian and global economy
77		ASRT/SNG/E/2018-60	Quality management on Egyptian exports
78	Pharmacology	ASRT/SNG/PH/2018-1	Pharmacognostical studies on some medicinal desert plants
79		ASRT/SNG/PH/2018-2	Wild plants used as antioxidants in drug industry
80		ASRT/SNG/PH/2018-3	Novel design of polymeric immobilized enzymes for biodegradation of environmental wastes
81		ASRT/SNG/PH/2018-4	preparation and evaluation of polymeric hydrogels for pharmaceutical applications
82		ASRT/SNG/PH/2018-5	Preparation and Characterization of Nano-materials for Gas Sensor Applications
83		ASRT/SNG/PH/2018-6	Development of nanocoatings and nanostructured surfaces leading to eradication of toxic solvent chemicals
84		ASRT/SNG/PH/2018-7	Nanoelectronic materials for light emitting diodes(LED'S)
85		ASRT/SNG/PH/2018-8	Improvement of Sustainable Food Production
86		ASRT/SNG/PH/2018-9	Improvement of Abiotic Stress Tolerance
87		ASRT/SNG/PH/2018-10	Innovative methods for Bridging Yield Gaps between the Actual and Potential Production of Strategic
88		ASRT/SNG/AB/2018-1	Development of varieties that withstand climatic stresses.
89		ASRT/SNG/AB/2018-2	Selection for low erucic acid and glucsimolate content in oilseed rape
90		ASRT/SNG/AB/2018-3	Resistance to palm weevil using nanotechnology applications
91		ASRT/SNG/AB/2018-4	Studies on the causes of embryonic mortality in laboratory - produced embryos
92		ASRT/SNG/AB/2018-5	The use of genetic transformation for the production of genetically modified plants tolerant to
93		ASRT/SNG/AB/2018-6	Application of multi-spectral data technology to predict soil characteristics
94		ASRT/SNG/AB/2018-7	Raising irrigation water efficiency in important crops
95		ASRT/SNG/AB/2018-8	Investigation of the role of carbon based nano-materials in water sanitation and using in hydroponic systems for some horticultural corps
96		ASRT/SNG/AB/2018-9	Impact of climate changes on pest status in egypt .

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97	General Agricultural and Biological Sciences	ASRT/SNG/AB/2018-10	Improvement of molecular diagnostic tools of infectious and genetic diseases related to food sources	
98		ASRT/SNG/AB/2018-11	Plant molecular breeding and genome mapping	
99		ASRT/SNG/AB/2018-12	Breeding for salinity tolerance in wheat	
100		ASRT/SNG/AB/2018-13	Water harvesting techniques and application in Egyptian dry lands	
101		ASRT/SNG/AB/2018-14	Apply precision farming technology to increase soil productivity and yield	
102		ASRT/SNG/AB/2018-15	Improve the productivity of local breeds of poultry in the growth rate	
103		ASRT/SNG/AB/2018-16	Develop the rate of utilization of food for animals and poultry using nanotechnology	
104		ASRT/SNG/AB/2018-17	Fishery and Aquaculture Production	
105		ASRT/SNG/AB/2018-18	Applications of remote sensing in the development and development of the fisheries system	
106		ASRT/SNG/AB/2018-19	Biotechnological tools for the improvement of fish production	
107		ASRT/SNG/AB/2018-20	Plant extract as natural antimicrobial and antioxidant in processed fish to extend shelf life and	
108		ASRT/SNG/AB/2018-21	Ecology and Antifungal Activity of some Medicinal plants against fish pathogenic Branshiomyces sanguinis and Branshiomyces damigrans	
109		ASRT/SNG/AB/2018-22	Integrated farms for fish production	
110		ASRT/SNG/AB/2018-23	Husbandry of fish fingerlings & hatching marine fish	
111		ASRT/SNG/AB/2018-24	Economic production of small ruminant and camels in newly reclaimed land under harsh conditions	
112		ASRT/SNG/AB/2018-25	Stem Cell and tissue engineering	
113		ASRT/SNG/AB/2018-26	Novel synthesis and application of specialized antimicrobial, antiviral, antitumor dyes for the Egyptian	
114		ASRT/SNG/AB/2018-27	Wastewater treatment using microbial-biofilm and microbial-granulated reactors	
115		ASRT/SNG/AB/2018-28	Application of the Hybridized Anaerobic Baffled Reactor for wastewater-treatment	
116		ASRT/SNG/AB/2018-29	Anti-adhesive materials as anti-biofilms agents for RO membrane-bio-fouling	
117		ASRT/SNG/AB/2018-30	Production of omega-3 from algae and its applications in food and industry	
118		ASRT/SNG/AB/2018-31	LED System design	
119		ASRT/SNG/AB/2018-32	IOT & IOE	
120		ASRT/SNG/AB/2018-33	Production, properties and applications of food- grade edible proteins	
121		ASRT/SNG/AB/2018-34	Production of recombinant industrial products	
122		ASRT/SNG/AB/2018-35	Rehabilitation of dry lands marginal ecosystems for enhancing productivity (food security	
123		ASRT/SNG/AB/2018-36	Innovating new ways to analyze pesticide residues	
124		Biochemistry, Genetics and Molecular Biology	ASRT/SNG/BGM/2018-1	RNAi approach as a tool to produce virus- resistance crop
125			ASRT/SNG/BGM/2018-2	molecular Biology
126			ASRT/SNG/BGM/2018-3	Structural Biology
127			ASRT/SNG/BGM/2018-4	Study of human gut microbiome .
128			ASRT/SNG/BGM/2018-5	Development of antimicrobial packaging materials for food preservation using bacteriocins from lactic acid bacteria
129			ASRT/SNG/BGM/2018-6	Coding and non -coding micro - RNA as a new marker for plant-microbe interaction

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130		ASRT/SNG/BGM/2018-7	Bioremediation of Acetaminophen by Bacterial Strains
131		ASRT/SNG/BGM/2018-8	Bioinformatics
132		ASRT/SNG/BGM/2018-9	Bioremediation of Chromium from industrial waste water using microbial
133		ASRT/SNG/BGM/2018-10	Conservation of nature, Plant Genetic resources and gene banks
134	Engineering	ASRT/SNG/E/2018-1	3D printing of lightweight material for automotive parts
135		ASRT/SNG/E/2018-2	Casting technology and development of biodegradable implants based on Zn and Mg alloys for biomedical applications
136		ASRT/SNG/E/2018-3	Recycling of mill scale for the production of low and high carbon steel
137		ASRT/SNG/E/2018-4	Reinforcement of Casting Surface of High Manganese Steel via new composite structure
138		ASRT/SNG/E/2018-5	Production of Modified Metakaolin for Improving Construction Materials' Properties
139		ASRT/SNG/E/2018-6	Locally processed pre-paratactic Steel for Extra Deep Drawing (DEE) Purposes
140		ASRT/SNG/E/2018-7	Third generation of advanced high-strength steels : partitioning processing Route
141		ASRT/SNG/E/2018-8	Laser machining of Titanium and Aluminum sheets with double lasers
142		ASRT/SNG/E/2018-9	Industrial and manufacturing engineering
143		ASRT/SNG/E/2018-10	Mechanical engineering
144	Chemical Engineering	ASRT/SNG/CE/2018-1	Chemical health and safety
145		ASRT/SNG/CE/2018-2	Development of polymeric hydrogels for agricultural applications
146		ASRT/SNG/CE/2018-3	Wax modified polymer for ink industry
147		ASRT/SNG/CE/2018-4	Bio hydrogen production of agricultural wastes
148		ASRT/SNG/CE/2018-5	Evaluation of CO2 sequestration potentials for natural habitats for natural habitats in Egypt
149		ASRT/SNG/CE/2018-6	Fluid flow and transfer processes
150		ASRT/SNG/CE/2018-7	Process chemistry and technology
151		ASRT/SNG/CE/2018-8	Colloid and Surface chemistry
152		ASRT/SNG/CE/2018-9	Graphene based materials for electronic applications
153		ASRT/SNG/CE/2018-10	Nanoporous Silicon for electronic applications
154		ASRT/SNG/CE/2018-11	Nanoscale Palladium-Nickel alloy-loaded carbon nanofibers as a catalyst in fuel cells
155		ASRT/SNG/CE/2018-12	Fabrication of novel filtration membranes using nanotechnology
156		ASRT/SNG/CE/2018-13	Kinetic Study of water remediation Using Nano-Scale Zero-valent Iron Based Materials
157		ASRT/SNG/CE/2018-14	Ferromagnetic metal nanowires supported on Graphene as sensors for automatic control of railway
158		ASRT/SNG/CE/2018-15	Preparation and characterization of magnetic nanocomposites for water purification
159		ASRT/SNG/CE/2018-16	Thin film semiconductor materials for solar cells
160	Textile	ASRT/SNG/ET/2018-1	Digital Techniques in Design
161		ASRT/SNG/ET/2018-2	Industrial and manufacturing engineering
162		ASRT/SNG/ET/2018-3	Mechanical material
163		ASRT/SNG/ET/2018-4	Raw materials developed and friendly environment in the printing process

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164	Architecture	ASRT/SNG/EA/2018-1		Innovative alternatives to reinforcing steel
165		ASRT/SNG/EA/2018-2		Modern uses in design
166		ASRT/SNG/EA/2018-3		Improving cement properties in nanomaterials
167	Medicine	ASRT/SNG/M/2018-1		Cancer Stem Cell and Skin Cancer Treatment
168		ASRT/SNG/M/2018-2		Signal transduction and disease treatment
169		ASRT/SNG/M/2018-3		Enzymes as a new role in cancer treatment
170		ASRT/SNG/M/2018-4		Natural product and cancer
171		ASRT/SNG/M/2018-5		Molecular Biology and gene cloning
172		ASRT/SNG/M/2018-6		Signal transduction in different cancer treatment
173		ASRT/SNG/M/2018-7		Dental hygiene
174		ASRT/SNG/M/2018-8		Endocrinology diabetes and metabolism
175		ASRT/SNG/M/2018-9		Alzheimer and neurochemistry
176	Computer science	ASRT/SNG/CS/2018-1		Cloud Computing
177		ASRT/SNG/CS/2018-2		Computer Vision
178		ASRT/SNG/CS/2018-3		Artificial intelligence
179		ASRT/SNG/CS/2018-4		Machine learning
180		ASRT/SNG/CS/2018-5		Computer networks and communications
181		ASRT/SNG/CS/2018-6		Quantum cryptography
182		ASRT/SNG/CS/2018-7		computer graphics and computer - aided design
183		ASRT/SNG/CS/2018-8		Computer Vision and pattern recognition
184		ASRT/SNG/CS/2018-9		Information Storage and Retrieval
185		ASRT/SNG/CS/2018-10		Information Security
186		ASRT/SNG/CS/2018-11		Image Processing
187	Business, Management and Accounting	ASRT/SNG/BMA/2018-1		Management of technology and innovation
188		ASRT/SNG/BMA/2018-2		Management information system
189		ASRT/SNG/BMA/2018-3		STI Policies/ Foresighting
190		ASRT/SNG/BMA/2018-4		STI Strategy and management
191	Economics, econometrics and finance	ASRT/SNG/EF/2018-1		General Economics, econometrics and finance
192	الدراسات الإجتماعية	ASRT/SNG/SS/2018-1		برامج ارشادية لعلاج مشكلات الاعاقة
193		ASRT/SNG/SS/2018-2		المناخ الاسرى و علاقته بالموهبة و الابتكار لدى الاطفال
194		ASRT/SNG/SS/2018-3		المناهج التكنولوجية للطفل
196		ASRT/SNG/SS/2018-4		ادب الاطفال فى الوطن العربى بين الواقع و المأمول
197		ASRT/SNG/SS/2018-5		دور المجتمع الافتراضى فى ترسيخ قيم الديمقراطية بين الشباب
198		ASRT/SNG/SS/2018-6		نظم التعليم والتنمية حول العالم

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199	الدراسات الاجتماعية	ASRT/SNG/SS/2018-7	جودة الحياة و علاقتها بالمواطنة و الانتماء
200		ASRT/SNG/SS/2018-8	الابعاد الاجتماعية الاقتصادية للارهاب
201		ASRT/SNG/SS/2018-9	الابعاد الاجتماعية للعنف و التطرف
202		ASRT/SNG/SS/2018-10	اقتصاديات الطاقة و الماء
203	السياحة و الإرشاد	ASRT/SNG/TG/2018-1	الابعاد الاجتماعية و الثقافية لواحات و اودية التكنولوجيا
204		ASRT/SNG/TG/2018-2	تقييم رضا عملاء شركة مصر للطيران للسياحة و الاسواق الحرة
205		ASRT/SNG/TG/2018-3	دراسة رضا العملاء عن نظام المشاركة في مصر
206	الفنون و الآداب	ASRT/SNG/AL/2018-1	ادب الطفل بين الموهبة و الابداع
207		ASRT/SNG/AL/2018-2	دور الفنون و الآداب في مناهضة العنف ضد المرأة
208		ASRT/SNG/AL/2018-3	الفنون و الآداب
209	الرسوم المتحركة	ASRT/SNG/AG/2018-1	تنمية الرسوم المتحركة في تنمية المفاهيم الثقافية و الاجتماعية
210		ASRT/SNG/AG/2018-2	تصاميم تفاعلية تستخدم في شتى المجالات الدعائية و السينمائية
211		ASRT/SNG/AG/2018-3	تطوير الرسوم المتحركة و الجرافيكية
212		ASRT/SNG/AG/2018-4	تكنولوجيا الوسائط المتعددة و تطبيقاتها المختلفة