

N°	ID	Paper/Authors	Type	Topic	Slot	Room	Chairman 1	Chairman 2	Chairman 3
	81	Mixed oxide preparation by ultrasonic assisted method. Toward hydrogen production via CO2 reforming of methane Hamed KALAWOUN, Muriel CHAGHOURI, Carmen CIOTONEA, Cédric GENNEQUIN, François DELATTRE	Poster	MCEG	1	1	Mohamed Kesraoui	Nawel Khaldi	Imed Khabbouchi
	117	Thermal behavior improvement of building materials using expanded polystyrene Rabeb Ayed, Sara Baddadi, Amira Dellagi, Salwa Bouadila, Mariem Lazaar		MCEG	1	1	Mohamed Kesraoui	Nawel Khaldi	Imed Khabbouchi
	163	Study of the effect of supercritical extraction parameters of Peganum harmala seed oil on Candida albicans 570 Sarra Melloul, Raouf Zehioua, Abdeslam-Hassen Meniai		MCEG	1	1	Mohamed Kesraoui	Nawel Khaldi	Imed Khabbouchi
	194	Semiconducting properties of tin sulfide obtained by chemical and electrochemical methods Said Kabouche, Yamina LOUAFI		MCEG	1	1	Mohamed Kesraoui	Nawel Khaldi	Imed Khabbouchi
	44	Artificial Neural Network in Photovoltaic - Battery Microgrid System for Controlling the Battery Current in French Guiana: Battery life Improvement Chabakata Mahamat, Gustave Ilunga, Jessica Bechet, Sara Zermani, Laurent Linguet		PVE	1	1	Mohamed Kesraoui	Nawel Khaldi	Imed Khabbouchi
	57	Modeling and Analysis of Photovoltaic Solar Houda ELETRI, Mouna HAMED, Ali Fellah		PVE	1	1	Mohamed Kesraoui	Nawel Khaldi	Imed Khabbouchi
	74	Performance of Hybrid Source Powered Domestic Air Conditioner Imène SAAD, Samah MAALEJ, Mohamed Chaker ZAGHDOUDI		PVE	1	1	Mohamed Kesraoui	Nawel Khaldi	Imed Khabbouchi
	87	DATA FORECASTING WITH APPLICATION TO BLOCKCHAIN-BASED LOCAL ENERGY MARKETS Ameni Boumaiza		PVE	1	1	Mohamed Kesraoui	Nawel Khaldi	Imed Khabbouchi
	130	Deposition of BiOI nanoparticules by SILAR method on TiO2 nanotube arrays for light photocatalytic degradation Mariem zaghoudi, Jamila Bennaceur, Wissem Dimassi, Rachid Ouertani, Radhouane Chtourou		PVE	1	1	Mohamed Kesraoui	Nawel Khaldi	Imed Khabbouchi
	196	Parametric identification of a photovoltaic panel by the Firefly algorithm Noureddine Ould cherchali, Mohamed reda Skender, Brahim Bentchikou, Abdelhalim Tlemçani, Abdelkader Morsli		PVE	1	1	Mohamed Kesraoui	Nawel Khaldi	Imed Khabbouchi
	212	Use of the HydroGeosphere code to simulate contaminant transport through a sediment layer- Case of Tunis Lake zone 5A. Farouk ben abdelghani		SGBC	1	1	Mohamed Kesraoui	Nawel Khaldi	Imed Khabbouchi
	176	Power management of an autonomous photovoltaic-wind hybrid system SALIM MAHDAB, ALLEL BENBAHA, ABDELHAFID MOUALDIA		WHE	1	1	Mohamed Kesraoui	Nawel Khaldi	Imed Khabbouchi
	182	Study of the stability of hybrid systems applied to machine dc fed by multicellular converter Bentchikou Ibrahim, Tlemçani abdelhalim, Ould cherchali noureddine		WHE	1	1	Mohamed Kesraoui	Nawel Khaldi	Imed Khabbouchi
	220	Multilevel Converters for Doubly-Fed Induction Generator Wind Energy Systems: A Review A. E. A. Amorim, L. F. Encarnaçao, I. Yahyaoui		WHE	1	1	Mohamed Kesraoui	Nawel Khaldi	Imed Khabbouchi

1	94	REMOTE VIDEO SUPERVISION VIA DVB-H CHANNELS Hanen Ghabi, Youssef Oudhini, Hassene Mnif	Orally	ECMT	1	2	Yousef Mahmoud	Bouchra Nadji
2	122	Analysis of Natural Convection of Nanoliquid in a Heated Incinerator Shaped Cavity with a pair cold finned cylinders. B. Mohamed El Ghazali, M. Bouchmel, A. Mohamed Ammar		ECMT	1	2	Yousef Mahmoud	Bouchra Nadji
3	162	Incorporate SOC estimation methods towards a more accurate online estimation of SOC in the second life of lithium-ion batteries Mussab Najeeb, Ulf Schwalbe		ECMT	1	2	Yousef Mahmoud	Bouchra Nadji
4	168	Quantifying Primary exergy resources in Tunisia khaoula Daghsen, Dorra Lounissi, Nahla Bouaziz		ECMT	1	2	Yousef Mahmoud	Bouchra Nadji
5	204	Heat transfer enhancement and irreversibility analysis in a micro-heat exchanger induced by wall injection Mokhtar Ferhi, Ridha Djebali		ECMT	1	2	Yousef Mahmoud	Bouchra Nadji
6	210	Adoption of Vienna Rectifier with Voltage-Oriented Control Technique based Electric Vehicles Charging Stations for Future Integration into a Local Network Waled Sulieman Ali, Aiman Nouh, Moneer A. Faraj, Faisal Mohamed		ECMT	1	2	Yousef Mahmoud	Bouchra Nadji
1	12	Study, Design and Performance Analysis of a 14 MWp Grid-Connected Photovoltaic System in Tiji Hisham Magouz, AbdoElmajeed Mola	Orally	PVE	1	3	Bashar Hamad	ANAS ELSHARIF
2	131	Examination of Low Voltage Side Grid- connected PV Generation under Different Penetration Levels Zakariya Rajab, Ali Asheibi, Mohamed Almakhtar, Ashraf Khalil, Abdelnaser Elbreki, Faisal Mohamed		PVE	1	3	Bashar Hamad	ANAS ELSHARIF
3	109	Improvement of an air conditioning system efficiency based on wireless sensor monitoring Cherif Amel Soukaina, Skander-Mustapha Sondes, Slama Belkhodja Ilhem, Ben Jabrallah Sadok		SGBC	1	3	Bashar Hamad	ANAS ELSHARIF
4	205	Modeling and Validation of Jordanian Power Grid in DlgSILENT PowerFactory Toward Implementing a Smart Grid Scenario Ahmad Harb, Hamza Alnawafah, Raúl Sarrias Mena, Francisco Llorens Iborra, Luis M. Fernández Ramírez		SGBC	1	3	Bashar Hamad	ANAS ELSHARIF
5	213	Proposal of a Methodology of System Analysis and Information System Development of a Smart Grid Oussama Mansour Khorchani, Mohamed Najeh Lakhoua, Mohamed Fethi Karoui		SGBC	1	3	Bashar Hamad	ANAS ELSHARIF
6	214	On the Effect of High Renewable Energy Penetration with Jordanian Electrical Power Grid Ahmad T. Abu dyak, Suad S. Al Mattar, Mamoun Shehadeh, Ahmad Harb		SGBC	1	3	Bashar Hamad	ANAS ELSHARIF
7	217	A Case Study of Jordanian Power Grid Stability and Sustainability with and Without an External Grid Tie Line Ahmad Harb, Hamza Alnawafah, Obadah Alalwan		SGBC	1	3	Bashar Hamad	ANAS ELSHARIF

49	Appraising heat transfer enhancement by nanofluid and entropy generation minimization in a micro tall cavity: Magnetic field and sinusoidal heating effects Ridha Djebali, Mokhtar Ferhi	Poster	ECMT	2	1	Yousef Mahmoud	Cherif Amel Soukaina
63	An intelligent fuzzy rule-based load monitoring for improving energy utilization of energy storage systems Khuthadzo Kgopana, Olawale Popoola		ECMT	2	1	Yousef Mahmoud	Cherif Amel Soukaina
96	Electro-thermal investigation of MOSFET transistors with different gate shape Nuha Al Harbi, Maissa Belkhiria, Fraj Echouchene		ECMT	2	1	Yousef Mahmoud	Cherif Amel Soukaina
120	Entropy generation of MHD forced convection nanofluid in a channel containing three cylinder blocks Miri Rached, Mohamed Ammar Abbassi, Ferhi Mokhtar, Djebali Ridha		ECMT	2	1	Yousef Mahmoud	Cherif Amel Soukaina
123	Dual fire gasifier development Miguel Mendonça, João Patela, Victor Mantilla, Valter Silva, Fernanda Resende		ECMT	2	1	Yousef Mahmoud	Cherif Amel Soukaina
129	Rainfall Trends Analysis in North Algerian Mediterranean Band Leila Hamlaoui, Fatma Zohra Bouras, Sarah Hellassa, Doudja Souag		ECMT	2	1	Yousef Mahmoud	Cherif Amel Soukaina
143	DOE of heat transfer and entropy generation in channel microheat exchanger driven by a coflow Ridha Djebali, Mokhtar Ferhi		ECMT	2	1	Yousef Mahmoud	Cherif Amel Soukaina
160	Thermodynamic Performance of an Ejector Refrigerating Machine Operating with Environment-friendly Refrigerants Imène OUAZ, Imène SAAD, Samah MAALEJ, Mohamed Chaker ZAGHDOUDI		ECMT	2	1	Yousef Mahmoud	Cherif Amel Soukaina
170	A Novel Parameter-free Fault Location Approach for Power Distribution Systems Omar Bendjeghaba, Tarek Hamdouche, Saida Ishak Boushaki, Noureddine Brakta		ECMT	2	1	Yousef Mahmoud	Cherif Amel Soukaina
199	Grid Connected Fuel Cell System controlled by A Series Multi-Cells Inverter using Whale Optimization Algorithm (WOA). Mohamed redha SKENDER, Noureddine OULD CHERCHALI, Abdelhalim TLEMCANI		ECMT	2	1	Yousef Mahmoud	Cherif Amel Soukaina
21	A polymeric/inorganic composite coatings on the separator for high-energy lithium metal battery Jie Ni, Qiang Feng Xiao		ECMT	2	1	Yousef Mahmoud	Cherif Amel Soukaina
54	Drip solar irrigation "solar distiller" Assia Benbessi		STE	2	1	Imene Saad	Cherif Amel Soukaina
80	Performance study of paraffin PCM doped with AlCl ₃ , for a solar application Brahim rekik, Mohammed Boukhalfa, Imane Lanez		STE	2	1	Imene Saad	Cherif Amel Soukaina
100	An analysis of factors affecting the solar home system market in Rwanda Jeanne Baptiste NIYIGENA, Wang Yongli, Emile Niringiyimana		STE	2	1	Imene Saad	Cherif Amel Soukaina
159	Physicochemical study of the conservation of bell pepper harvested in Adrar, Algeria by convective solar drying loumani akil, larbi Ahmed Amine, Mediani Ahmed, tigrani cherif, djaber abdelkarim		STE	2	1	Imene Saad	Cherif Amel Soukaina
184	Experimental parametric study of the Humidification dehumidification process by solar energy CHAYMAE LACHGUER, FATIMA AITNOUH, SAIDA BAHSSINE	STE	2	1	Imene Saad	Cherif Amel Soukaina	

1	18	TITO System Decoupling Control Applied to Smart Grid Power Distribution NEBILI Salim, Ibrahim Benabdallah, Khaireddine Zarai, Adnène Cherif	Orally	SGBC	2	2	Ahmad Harb	Abdelmajid Reciouï
2	38	Design and Implementation of Three-Phase Inverter using MOPSO Asma Alfergani, Abrar Ali Ahmed, Farhat M. Shaltami, Ashraf Kahlil, Faisal Mohamed		SGBC	2	2	Ahmad Harb	Abdelmajid Reciouï
3	55	Optimal Placement of DGs in the Distribution Network using an Analytical Approach Fatma Zohra Dekhandji		SGBC	2	2	Ahmad Harb	Abdelmajid Reciouï
4	85	The Effects of Orientation and ceiling height on the Thermal Comfort in the Traditional and modern House in Byblos City Lebanon. Amal Chkeir, Youcef Bouzidi, Zoubayre El Akili, Mahmoud Charafeddine, Zeinab Kashmar		SGBC	2	2	Ahmad Harb	Abdelmajid Reciouï
5	89	Effect of solar radiation on the temperature of house walls facing the four cardinal points in the summer in Ouled Sidi Brahim (Algeria) Mohamed Choudira, Nabila Ihaddadene, Razika Ihaddadene, Hauari Zeggane		SGBC	2	2	Ahmad Harb	Abdelmajid Reciouï
6	91	Interactions between residential electricity consumption and urban households' lifestyle and behavior in Burkina Faso: Findings from a large-scale, city-wide household survey Komlan Hector Seth TETE, Y. Moussa SORO, Sayon dit Sadio SIDIBE, Rory Victor JONES		SGBC	2	2	Ahmad Harb	Abdelmajid Reciouï
7	93	Machine Learning and Game Theoretic Model for Advanced Wind Energy Management Protocol (AWEMP) Imed Khabbouchi, Dhaou Said, Aziz Oukaira		SGBC	2	2	Ahmad Harb	Abdelmajid Reciouï
8	104	Numerical building energy simulation with phase change materials including hysteresis effect for different square building cases in a semi-arid climate Imad AIT LAASRI, Niima Es-sakali, Abdelkader Outzourhit, Mohamed Oualid Mghazli		SGBC	2	2	Ahmad Harb	Abdelmajid Reciouï
9	105	Assessment of the energy efficiency for a building energy model using different glazing windows in a semi-arid climate Niima Es-sakali, Samir Idrissi Kaitouni, Imad Ait Laasri, Mohamed Oualid Mghazli, Moha Cherkaoui, Jens Pfafferot		SGBC	2	2	Ahmad Harb	Abdelmajid Reciouï
10	144	Voltage Balance Control of Five-Level Cascaded H-Bridge Rectifier-Based Smart Transformer H. Helali, A. Khedher		SGBC	2	2	Ahmad Harb	Abdelmajid Reciouï
1	62	Static and dynamic investigations on date palm wastes derived biochars for phosphorus recovery from aqueous solutions Salah Jellali, Yassine Charabi, Jamal Al-Sabahi, Muhammed Usman, Ahmed Al Raeesi, Malik Al-Wardy, Mejdi Jeguirim	MCEG	2	3	Abdesslam Meniai	Mejdi Jeguirim	
2	106	Study of the thermal behavior of a heated brick containing a phase change material. Amira Dellagi, Rabeb Ayed, Salwa Bouadila, AmenAllah Guizani	MCEG	2	3	Abdesslam Meniai	Mejdi Jeguirim	
3	125	The Strategy of The National Oil Corporation in Exploiting Renewable Energy Sources and Implementing Sustainable Development projects as a Matter of Corporate Social Responsibility Mohamed Aljehani, Ibrahim Khalifa	MCEG	2	3	Abdesslam Meniai	Mejdi Jeguirim	
4	153	ELECTRON SLOWING DOWN INTO SEMICONDUCTEUR AND METALLIC MATERIALS A. Bentabet, Ouidad Moussaoui	MCEG	2	3	Abdesslam Meniai	Mejdi Jeguirim	

	141	Thermogravimetric analysis of Date (Phoenix Dactylifera L.) Palm Wastes Ilham Soltani, Emna Berrich, Mehrez Romdhane, Fethi Aloui
	158	Production of bioethanol from low commercial value dates (Deglat Talmmine) A. Tahri, M. Khelafi
	185	Valorization of waste cooking oil into bio-sourced products Hania Chenni, Malak Djerballou, Safa Daba, Nawel Outili, AH Meniai
	192	Supercritical carbon dioxide enhanced oil recovery Abdeslam-Hassen Meniai, Mehdi Louaer, Ahmed Zermane, Nawel Outili
	202	Study of reactivity of Moringa oleifera seed as biocoagulant for removal of hexavalent Chromium Sihem Arris, N. METNANI, N. BENAIDJA, F. DEBBACHE, H. AISSAOUI
1	15	The Impact of AVR Reference Voltage on the Performance of Grid-Integrated Synchronous-Photovoltaic Generators Mohammad Widyan, Ahmad Harb
2	17	Smart grid platform modeling Ibrahim benabdallah, Nebili Salim, Khaireddine Zarai, Adnène Cherif
3	19	Monte Carlo-based adaptive filter to enhance the high non-linear target tracking in the radar system. Zarai Khaireddine, Dalila Hidouri, BenAbdallah ilbrahim, Nebili Salim, Cherif Adnen
4	50	Advanced Systems Integration of 540 KVA Inverter and 1.86 MWh Battery Energy Storage System for Microgrid Application: A Case Study Sahin Gullu, Amour-che Djaho, Reza Rezaii, Mohamed Elrais, Md Safayatullah, Adje Mensah, Issa Batarseh
5	72	Contours of Air and Brick Temperatures inside a Tunnel Kiln Nahed SOUSSI, Wassim KRIAA, Hatem MHIRI, Philippe BOURNOT
6	218	Technical Feasibility Study of a Grid-Tied 85 MW Floating Solar PV Power Plant in Benghazi -B6:C12 Libya Ahmad Ramadan, Gamal Hashem, Ahmed Tahir
7	195	3 keys to ensure the sustainability of your solar power plant Carole Brunet, Michel A. Bouchard, Oumarou Savadogo, Pierre Baptiste, Nicolas Merveille
1	24	New Approach for Controlling PV-PV Differential Power Processing Converters Yousef Mahmoud
2	66	Photovoltaic systems Design and Cost Effectiveness Assessment for the telecommunication sites Fatima Elhassi, Nisreen Omar, Zakariya Rajab, Ali Asheibi, Ashraf Khalil, Abdelnaser Elbreki, Faisal Mohamed
3	70	Technical Feasibility Study of a Grid-Tied 85 MW Floating Solar PV Power Plant in Benghazi “ Libya Ahmad Ramadan, Gamal Hashem, Ahmed Tahir
4	97	Optimization of Tilt Angle for Solar PV Systems at Al-Bayda, Libya ANAS ELSHARIF, TAREK HAMAD, ABDELNASER ELBREKI

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	HEBF	3	1	Zhifeng Zhang	Raoudha Garma
	HEBF	3	1	Zhifeng Zhang	Raoudha Garma
	ECMT	3	2	Mohamed Kesraoui	Fatma Zohra Dekhandji
	ECMT	3	2	Mohamed Kesraoui	Fatma Zohra Dekhandji
	ECMT	3	2	Mohamed Kesraoui	Fatma Zohra Dekhandji
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	ECMT	3	2	Mohamed Kesraoui	Fatma Zohra Dekhandji
	PVE	3	2	Mohamed Kesraoui	Fatma Zohra Dekhandji
	PVE	3	3	Mohamed Faisal	Leon Brendel
	PVE	3	3	Mohamed Faisal	Leon Brendel
	PVE	3	3	Mohamed Faisal	Leon Brendel
Orally	PVE	3	3	Mohamed Faisal	Leon Brendel

5	116	An Approach to Dynamic Behaviour of a Grid Connected PV System During Symmetrical Short Circuit Fault Hussin Zahloul, Arjmand Khalig, Hamed Bahmani, Sergii Veremieiev	Orally	PVE	3	3	Mohamed Faisal	Leon Brendel
6	124	Modelling And Estimation of The Optimum Tilt Angle of Photovoltaic Systems, Case Study: Libya Alhassan Teyabeen, F. Mohamed		PVE	3	3	Mohamed Faisal	Leon Brendel
7	164	Didactic bench for the characterization of photovoltaic cells Houda Khaterchi, Mohamed Ali Zeddini, Youssef Trimech, Manel Khaterchi		PVE	3	3	Mohamed Faisal	Leon Brendel
8	179	Implementation of ANN based MPPT for a PV system and efficiency improvement of DC-DC converter by WBG devices Elaid BOUCHETOB, Bouchra NADJI		PVE	3	3	Mohamed Faisal	Leon Brendel
1	56	Hydrogen-based Hybrid Renewable Energy System Sizing Optimization using HOMER Abdelmadjid Recioui		HEBF	4	1	Mejdi Jeguirim	Ridha Djebali
2	98	Dry reforming of polypropylene over Ni and Ru-Ni catalysts supported on mesoporous alumina: Effect of calcination temperature Aida Younis, Jane Estephane, Cédric Gennequin, Samer Aouad, Edmond Abi-Aad		HEBF	4	1	Mejdi Jeguirim	Ridha Djebali
3	114	Hydrogen production through dry reforming of biogas on hydrotalcite derived materials Muriel Chaghouri, Carmen Ciotonea, Fabrice Cazier, Lucette Haingomalala Tidahy, Cedric Gennequin, Edmond Abi Aad		HEBF	4	1	Mejdi Jeguirim	Ridha Djebali
4	126	Modelling and optimization of energy production from lignocellulosic biomass in Burkina Faso Fernand ZOMA, Marie SAWADOGO		HEBF	4	1	Mejdi Jeguirim	Ridha Djebali
5	128	Calcium Carbonate, Potassium Carbonate and Sodium Carbonate effects on Olive Pomaces pyrolytic gas Mansoura Salhi, Emna Berrich, Mehrez Romdhane, Fethi Aloui	Orally	HEBF	4	1	Mejdi Jeguirim	Ridha Djebali
6	145	Impact of PCM characteristics on the performance of LaNi5-Metal hydride pump Amel MILED, Faouzi ASKRI		HEBF	4	1	Mejdi Jeguirim	Ridha Djebali
7	151	Electrolyzer Degradation influence on power electronics performance for 6-pulse thyristor rectifier in a large-scale water electrolyzer Mohamed Keddar, Marcos Da Conceicao, Mamadou Doumbia, Zhifeng Zhang		HEBF	4	1	Mejdi Jeguirim	Ridha Djebali
8	161	Supercritical Water Gasification of Potential Tunisian Agricultural Waste for Energy Recovery: Comparative thermodynamic Study of sustainable H2 rich syngas production using ASPEN PLUS Raoudha Garma, Housam Binous, Ahmed Bellagi		HEBF	4	1	Mejdi Jeguirim	Ridha Djebali
1	48	Effect of number of glass covers on performance of flat- and corrugated-plate solar air heaters Bashar Hammad, Mohammed Baker, Mohammed Abdulhameed		STE	4	2	Mohamed Faisal	Ibrahim Rekik
2	59	Evaluating solar-driven ejector efficiency used in hybrid conventional air conditioning systems: a parametric study Basir Elhub, Abdelnaser Elbreki, alhadiab Ammar, Mohamed Abdalrhman, Zakariya Rajab, Faisal Mohamed		STE	4	2	Mohamed Faisal	Ibrahim Rekik

3	65	Design, manufacturing and test of a mixed-mode solar dryer for food products Saber Chemkhi	Orally	STE	4	2	Mohamed Faisal	Ibrahim Rekik	
4	103	Harnessing solar energy for homogeneous spatial variability of a greenhouse air temperature: System design and implementation Sara BADDADI, Rabeb AYED, Salwa BOUADILA		STE	4	2	Mohamed Faisal	Ibrahim Rekik	
5	146	Optical characterization of new solar funnel cooker design using intermediate temperature test loads Souhir Mankai, Fatma Ouledsaad, Jamel Madiouli, Jalila Sghaier		STE	4	2	Mohamed Faisal	Ibrahim Rekik	
6	147	CFD Simulation and Experimental Study of a Parabolic Trough Collector Alternative Qussay hroub, Youssef Drira, Skander Jribi, Hatem Bentaher		STE	4	2	Mohamed Faisal	Ibrahim Rekik	
7	148	Productivity enhancement of solar still by using latent heat storage materials Fatma Ouled Saad, Souhir Mankai, Jamel Madiouli, Jalila Sghaier		STE	4	2	Mohamed Faisal	Ibrahim Rekik	
8	150	An Experimental Analysis of Single Slope Solar Still integrated with phase change material and photovoltaics-powered heaters jamel madiouli, ashraf lahine, Ihab Taha, saber chemkhi		STE	4	2	Mohamed Faisal	Ibrahim Rekik	
9	197	Modelling of a Solar Heating System for Industrial Processes using Linear Fresnel Reflectors Yara Haddad, Ibrahim Rahoma, Firas Haddad, Mokhtar Amrani, Mohammad Abdunnabi		STE	4	2	Mohamed Faisal	Ibrahim Rekik	
1	22	Toward Reconfigurable DPP Converters Yousef Mahmoud		Orally	PVE	4	3	Ahmad Harb	Fathi Fourati
2	155	Comparison study between PID and Fuzzy Logic Controller to improve performance of AVR system for synchronous Salwa Almoshity, Khaled Gouda, Salema Younus, Faisal Mohamed, A .ELBREKI			PVE	4	3	Ahmad Harb	Fathi Fourati
3	43	Short-Term Wind Power Forecasting by a Long Short Term Memory Ensemble Approach Geovanny Marulanda, Jenny Cifuentes, Antonio Bello, Javier Reneses	WHE		4	3	Ahmad Harb	Fathi Fourati	
4	51	The Effect of Flange Thickness on the Performance of a Small Shrouded Wind Turbine Negin Maftouni, Arezou Jamal Livani	WHE		4	3	Ahmad Harb	Fathi Fourati	
5	110	Economic Uncertainty Analysis for Renewable Energy Driven Desalination Leon Brendel	WHE		4	3	Ahmad Harb	Fathi Fourati	
6	137	comparative study between different recycling methods of glass fiber coming from end-of-life wind turbine blades Imen CHIKHA, Youcef BOUZIDI, Samir BAKLOUTI, Nacef TAZI, Rachida IDIR	WHE		4	3	Ahmad Harb	Fathi Fourati	
7	207	Mechanical Wind pumping system based on Hydropumped storage Achour Djalloul, Kesraoui Mohamed	WHE		4	3	Ahmad Harb	Fathi Fourati	