

## Head of Chemistry Department

### ICAC 2015 Program

| Wednesday 18 / 11 / 2015 |       |   |  |  |   |   |
|--------------------------|-------|---|--|--|---|---|
| 8:00                     | 9:00  | Registration  | King Faisal Conference Center – Main Entrance Hall |  |   |   |
| 09:00                    | 09:30 | Opening Ceremony  | Main Auditorium                                    |  |   |   |
| 09:30                    | 10:30 | Plenary Lecture (PL1)<br>Chairman: Prof. Iqbal M. I. Ismail | Main Auditorium                                    |  |   |   |
| 10:30                    | 10:50 | Coffee Break  |  |  |   |   |
| 10:50                    | 12:30 | Seminar Room 1  | Seminar Room 2                                     | Seminar Room 3   | Hall 1  | Hall 2                                    |
|                          |       | Water & Environmental Applications (WEA)                    | Nanotechnology & Advanced Materials (NAM)          | Petrochemicals & Catalysis (PCC) – Oil, Gas & Energy (OGA) | Organic Synthesis, Natural Products & Medicinal Chemistry (SNM) | Nanotechnology & Advanced Materials (NAM) |
|                          |       | Chairman:<br>Prof. Abdulrhman Al-warthan                    | Chairman:<br>Prof. Saadullah G. Aziz               | Chairman:<br>Prof. Sulaiman N. Basahel                     | Chairman:<br>Prof. Mohamad S. Makki                             | Chairman:<br>Prof. Mohsen M. Al-Qahtani   |
|                          |       | Invited Lecturers   |  |  |   |   |
| 10:50                    | 11:30 | INV1  | INV2   | INV3   | INV4  | INV5                                      |
|                          |       | Oral Talks  |  |  |   |   |
| 11:30                    | 11:50 | WEA21   | NAM21  | PCC21  | SNM21   | NAM27                                     |
| 11:50                    | 12:10 | WEA22   | NAM22  | PCC22  | SNM22   | NAM28                                     |
| 12:10                    | 12:30 | WEA23   | NAM23  | PCC23  | SNM23   | NAM29                                     |
| 12:30                    | 14:00 | Lunch   |  |  |   |   |

## ICAC 2015 Program

| Wednesday 18 / 11 / 2015 |       |  |   |  |   |   |
|--------------------------|-------|--|---|--|---|---|
|                          |       | Seminar Room 1                           | Seminar Room 2                            | Seminar Room 3   | Hall 1  | Hall 2                                    |
| 14:00                    | 15:40 | Water & Environmental Applications (WEA) | Nanotechnology & Advanced Materials (NAM) | Petrochemicals & Catalysis (PCC) – Oil, Gas & Energy (OGA) | Organic Synthesis, Natural Products & Medicinal Chemistry (SNM) | Nanotechnology & Advanced Materials (NAM) |
|                          |       | Chairman:<br>Prof. Mohammad W. Kadi      | Chairman:<br>Prof. Mutlaq S. Al-jahdali   | Chairman:<br>Prof. Mohamed M. Mostafa                      | Chairman:<br>Prof. Abdullah G. Al-Sehemi                        | Chairman:<br>Prof. Rifaat H. Hilal        |
|                          |       | Invited Lecturers                        |   |  |   |   |
| 14:00                    | 14:40 | INV6                                     | INV7                                      | INV8   | INV9  | INV10                                     |
|                          |       | Oral Talks                               |   |  |   |   |
| 14:40                    | 15:00 | WEA24                                    | NAM24                                     | PCC24  | SNM24   | NAM210                                    |
| 15:00                    | 15:20 | WEA25                                    | NAM25                                     | PCC25  | SNM25   | NAM211                                    |
| 15:20                    | 15:40 | WEA26                                    | NAM26                                     | OGA21  | SNM26   | NAM212                                    |
| 15:40                    | 16:40 | (Poster Session (Female                  |   |  |   |   |
| 16:40                    | 17:40 | Poster Session (Male)                    |   |  |   |   |
| 20:00                    | 23:00 | Welcome Dinner                           |   |  |   |   |

## ICAC 2015 Program







| Thursday 19 / 11 / 2015 |       |  |   |  |   |   |
|-------------------------|-------|--|---|--|---|---|
| 09:00                   | 10:00 | Plenary Lecture (PL2)<br>Chairman: Prof. Abdullah M. Asiri |   | Main Auditorium                          |   |   |
| 10:00                   | 10:20 | Coffee Break   |   |  |   |   |
| 10:20                   | 12:20 | Seminar Room 1   | Seminar Room 2                            | Seminar Room 3                           | Hall 1  | Hall 2  |
|                         |       | Nanotechnology & Advanced Materials (NAM)                  | Nanotechnology & Advanced Materials (NAM) | Water & Environmental Applications (WEA) | Organic Synthesis, Natural Products & Medicinal Chemistry (SNM) | Organic Synthesis, Natural Products & Medicinal Chemistry (SNM) |
|                         |       | Chairman:<br>Prof. Reda M. El-Shishtawy                    | Chairman:<br>Prof. Bahaa M. Abu-Zied      | Chairman:<br>Prof. Elham S. Aazam        | Chairman:<br>Prof. Yusuf Yagci                                  | Chairman:<br>Prof. Thuc-Quyen Nguyen                            |
| Invited Lecturers       |       |  |   |  |   |   |
| 10:20                   | 11:00 | INV11  | INV12                                     | INV13                                    | INV14   | INV15   |
| Oral Talks              |       |  |   |  |   |   |
| 11:00                   | 11:20 | NAM213   | NAM219                                    | WEA28                                    | SNM27   | SNM213  |
| 11:20                   | 11:40 | NAM214   | NAM220                                    | WEA29                                    | SNM28   | SNM214  |
| 11:40                   | 12:00 | NAM215   | NAM221                                    | WEA210                                   | SNM29   | SNM215  |
| 12:00                   | 12:20 | NAM216   | NAM222                                    | WEA211                                   | SNM210  | SNM216  |
| 12:20                   | 14:00 | Lunch  |   |  |   |   |






## ICAC 2015 Program

| Thursday 19 / 11 / 2015 |       |   |   |  |   |   |
|-------------------------|-------|---|---|--|---|---|
|                         |       | Seminar Room 1                              | Seminar Room 1                            | Seminar Room 1                           | Hall 1  | Hall 2  |
| 14:00                   | 15:40 | Nanotechnology & Advanced Materials (NAM)   | Nanotechnology & Advanced Materials (NAM) | Water & Environmental Applications (WEA) | Organic Synthesis, Natural Products & Medicinal Chemistry (SNM) | Organic Synthesis, Natural Products & Medicinal Chemistry (SNM) |
|                         |       | Chairman:<br>Dr. Hadi M. H. Marwani         | Chairman:<br>Dr. Ibraheem A. Mkhaliid     | Chairman:<br>Prof. Reda M. Ouf           | Chairman:<br>Dr. Khalid A. Alamry                               | Chairman:<br>Dr. Khalid O. Al-Footy                             |
| 14:00                   | 14:40 | Invited Lecturer<br>INV16                   | Invited Lecturer<br>INV17                 | Oral Talk WEA212                         | Invited Lecturer<br>INV18                                       | Oral Talk SNM217  |
|                         |       |   |   | Oral Talk WEA213                         |   | Oral Talk SNM218  |
|                         |       | Oral Talks                                  |   |  |   |   |
| 14:40                   | 15:00 | NAM217                                      | NAM223                                    |  | SNM211  | SNM219  |
| 15:00                   | 15:20 | NAM218                                      | NAM224                                    |  | wSNM212   | SNM220  |
| 15:20                   | 16:10 | Poster Session (Female)                     |   |  |   |   |
| 16:10                   | 17:00 | Poster Session (Male)                       |   |  |   |   |
| 17:00                   | 17:30 | Panel Discussion and Closing Ceremony       |   |  |   |   |
| 17:30                   | 18:00 | Distribution of the Conference Certificates |   |  |   |   |






## Plenary and Invited Speaker Presentations (chronological order)





Wednesday 18 / 11 / 2015

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|------|--|--|--|
| PL1  |   | Prof. Mostafa El-Sayed<br>Georgia Tech University<br>USA                                     | Nanotechnology Meets Biology in The Cancer Cell :<br>Applications in Medicine, Drug Delivery and Determining Drug Efficacy |
| INV1 |   | Prof. Ivan Parkin<br>University College of London<br>United Kingdom                          | Superhydrophobic Surfaces- Taking a Leaf out of Natures Book   |
| INV2 |   | Prof. Dr. Md. K. Nazeeruddin<br>Institute of Chemical Science and Engineering<br>Switzerland | Prospects for Perovskite Solar Cells   |
| INV3 |   | Prof. Hermenegildo García<br>Polytechnic university of Valencia<br>Spain                     | Metal-Free Catalysts: Graphenes as Sustainable Catalysts   |
| INV4 |   | Prof. Omar Farha<br>Northwestern University<br>USA   | Bioinspired Sponges: Catalytic Metal-Organic Frameworks (MOFs)   |
| INV5 |  | Prof. Anders Hagfeldt<br>Swiss Federal Institute of Technology (EPFL)<br>Switzerland         | The Versatility of Mesoscopic Solar Cells  |

|       |  |  |   |
|-------|--|--|---|
| INV6  |   | Prof. Yusuf Yagci<br>Istanbul Technical University<br>Turkey       | Thermosettings in Environmental Applications  |
| INV7  |   | Prof. Dr. Horst Weller<br>Hamburg University<br>Germany            | Synthesis, Properties and Applications of Nanocrystals in Materials and Life Sciences |
| INV8  |   | Prof. Banglin Chen<br>University of Texas<br>USA                   | Metal-Organic Frameworks: Platforms for Multifunctional Materials                     |
| INV9  |   | Prof. Anwar Stephen Kai Hashmi<br>Heidelberg University<br>Germany | Homogeneous Gold catalysis  |
| INV10 |  | Prof. Thuc-Quyen Nguyen<br>University of California<br>USA         | Solution-Processed Organic Solar Cells: Current Progress and Challenges               |

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|       |  |   |  |
|-------|--|---|--|
| PL2   |   | Prof. Thomas J. Webster<br>Northwestern University<br>USA   | 15 Years of Commercializing Medical Devices Using Nanotechnology   |
| INV11 |   | Prof. Mohamed Eddaoudi<br>King Abdullah University of Science and Technology<br>Kingdom of Saudi Arabia | Metal-Organic Frameworks from Design Strategies to Applications  |
| INV12 |   | Prof. Antonio Facchetti<br>Northwestern University<br>USA   | Materials Synthesis and Processes Development for Printed Opto-Electronic Devices  |
| INV13 |   | Prof. Shu-Hong Yu<br>University of Science and Technology of China<br>China                             | Macroscopic Nanoparticle Assemblies: Integration, Functionalization and Applications   |
| INV14 |  | Prof. Rifaat H. Hilal<br>King Abdulaziz University<br>Kingdom of Saudi Arabia                           | Navigation in Chemical Space towards the Structure and Dynamics of Molecular Systems and Renewable Energy Sources. A Theoretical Perspective |

|       |   |   |   |
|-------|---|---|---|
| INV15 |  | Prof. Guillermo C. Bazan<br>University of California<br>USA                             | Conjugated Oligoelectrolytes for Bioelectrochemical Applications  |
| INV16 |  | Prof. Juan Bisquert<br>Jaume I de Castelló University<br>Spain                          | Physical Chemical Aspects of Contacts in Lead Iodide Perovskite Solar Cells                                 |
| INV17 |  | Prof. Shaik M. Zakeeruddin<br>The Federal Polytechnic School of Lausanne<br>Switzerland | Recent Trends in Mesoscopic Sensitized Solar Cells  |
| INV18 |  | Prof. Upadrasta Ramamurty<br>Indian Institute of Science<br>India                       | Using Nanoindentation for Studying Mechanical Behavior of Small Volume Materials: Connecting with Chemistry |



## Nanotechnology and Advanced Materials: Oral Abstracts(chronological order)

| Code   | Name                          | Affiliation    | Country      | Abstract Title   |
|--------|-------------------------------|----------------|--------------|--|
| NAM21  | Mohamed Mubark Galeil Mohamed | .Ph.D Student  | Egypt        | Preparation and Characterization of Mesoporous Titanium Dioxide and Application in Dye-Sensitized Solar Cells (DSSC)   |
| NAM22  | Foued Elhalouani              | Professor      | Tunisia      | Elaboration and Characterization of a Nanomaterial Based Perovskite $\text{Pr}_{0.7}\text{Ca}_{0.3}\text{MnO}_3$ Prepared by Ball Milling                        |
| NAM23  | Alaud Din Din                 | .Ph.D Student  | Pakistan     | Cadmium Oxide Based Efficient Electrocatalyst For Hydrogen Peroxide Sensing and Water Oxidation  |
| NAM24  | Heba Abbas Kashmery           | Lecturer       | Saudi Arabia | A New Template-Directed Triazole Ligand Strategy For The SYNthesis Of Silver Nanoparticles   |
| NAM25  | Anish Khan Rafiq Khan         | Assistant Prof | Saudi Arabia | Synthesis of Silver Embedded Poly(o-Anisidine) Molybdophosphate Nano Hybrid Cation-Exchanger Applicable for Membrane Electrode                                   |
| NAM26  | Mohsen Mohammed Al-Qahtani    | Professor      | Saudi Arabia | Influence of Carboxylic Acid Type on Texture Formation, Magnetic and Sensing Properties of Polymeric Complex Sol-gel Driven $\text{LaFeO}_3$                     |
| NAM27  | Wajdi Cherif                  | Assistant Prof | Tunisia      | Physicochemical Properties of $\text{La}_{0.67}\text{Ca}_{0.11}\text{Sr}_{0.22}\text{Mn}_{1-x}\text{Fe}_x\text{O}_3$ ( $0 \leq x \leq 0.3$ ) Nanopowders         |
| NAM28  | Zahoor Hussain Farooqi        | Assistant Prof | Pakistan     | Catalytic Reduction of 2-Nitroaniline in Aqueous Medium Using Silver Nanoparticles Functionalized Polymer Microgels  |
| NAM29  | Robina Begum                  | Lecturer       | Pakistan     | Synthesis and Characterization of Silver Nanoparticles Fabricated in Poly (n-Isopropylacrylamide-co-acrylic acid) Microgels For Catalytic Applications           |
| NAM210 | Mona Mostafa Saif             | Associate Prof | Egypt        | Novel Non-toxic and Red Luminescent sensor based on $\text{Eu}^{3+}:\text{Y}_2\text{Ti}_2\text{O}_7 / \text{SiO}_2$ Nano-Powder for Latent Fingerprint Detection |

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|--------|------------------------------------|----------------|--------------|---|
| NAM211 | Ahmed Gaffer Fawzi Ali Hegazi      | Professor      | Egypt        | Antibacterial Activity of Chitosan-Silver Nanoparticles Composite of Different AgNO <sub>3</sub> : Cs Ratios  |
| NAM212 | Eman Hussein Abdelrahman Elkareish | Professor      | Egypt        | Antibacterial Properties of Silver Nanoparticles Conjugated with Cow and Camel Milks  |
| NAM213 | Ayman Nafady                       | Associate Prof | Saudi Arabia | Facile Approaches for the Synthesis of Micro-/Nano-Structured Metal-Organic Frameworks Based on Metal-Tcnq  |
| NAM214 | Mohamed Ahmed Mohamed Abdel Wahab  | Assistant Prof | Egypt        | Novel Epoxidized Pine Oil Modified with Polyhedral Oligomeric Silsesquioxane Nanocomposites   |
| NAM215 | Eman Saad Alzahrani                | Assistant Prof | Saudi Arabia | Preparation of the Polymeric-Based Microchip for Protein Extraction   |
| NAM216 | Tahseen Kamal                      | Assistant Prof | Saudi Arabia | Cross-linked liquid Crystal Polymer Based Single layer Actuator   |
| NAM217 | Yasser Azim                        | Assistant Prof | India        | Mechanosynthesis of Advanced Materials  |
| NAM218 | Ali Abdel Hamid Ali Mohamed        | Assistant Prof | Egypt        | Glass Formation and Some Physical Properties of Glasses in the Ternary and Quaternary P <sub>2</sub> O <sub>5</sub> - CaO - Na <sub>2</sub> O - Ag <sub>2</sub> O systems |
| NAM219 | Sher Bahader Khan                  | Associate Prof | Saudi Arabia | Cobalt Based Nanomaterial as Fascinating Electrocatalyst in Electrochemical Water Splitting   |
| NAM220 | Mohammed Riri                      | Researcher     | Morocco      | Complexation of Trivalent Lanthanide Cation (Gd <sup>3+</sup> ) By Different Chelation Sites Of Some Organic Acids  |
| NAM221 | Mohamed Ramdan Abdelmegid Elaassar | Assistant Prof | Egypt        | Electrospun Nanofibers Containing Nanoparticles for Medical Applications  |
| NAM222 | Wafaa Mohamed Morsi Mohamed        | Associate Prof | Egypt        | Massicot Lead Oxide Particles Characteristics and Analysis  |
| NAM223 | Husnu Gerengi                      | Associate Prof | Turkey       | Corrosion Inhibition Effect of 8-Hydroxyquinoline as a Corrosion Inhibitor for Copper in 0.1 M HCl  |
| NAM224 | Fatah Hellal                       | Professor      | Algeria      | Electrochemical Behavior of the Microstructure of an Apl P110 Steel .Casing Pipe in an Acidic Media with an Organic Inhibitor   |

## Nanotechnology and Advanced Materials: Poster Abstracts(chronological order)

| Code  | Name                        | Affiliation    | Country      | Abstract Title  |
|-------|-----------------------------|----------------|--------------|---|
| NAM31 | Bahaa Mohamed Abu-Zied      | Professor      | Saudi Arabia | An Investigation of the Role of Some Rare Earth Oxides on Controlling the Morphology and Crystallite Size of NiO Nanoparticles  |
| NAM32 | Marwa Nabeeh El-Nahass      | Assistant Prof | Egypt        | Chalcones-Mesoporous Silicate as Fluorescent Nanosensors for Toxic Metal Ions Discrimination  |
| NAM33 | Nehal Atef Salahuddin       | Professor      | Egypt        | Rubbery Epoxy/ZnO Nanocomposites: Effect of ZnO Morphology on Thermal and Mechanical Properties   |
| NAM34 | Mohammed M Rahman           | Associate Prof | Saudi Arabia | Development of Selective and Sensitive Phenolic Chemical Sensor Based On Protonated H-ZSM-5 Zeolites Deposited onto Silver Electrodes by Electrochemical Approaches   |
| NAM35 | Ali Abdel Hamid Ali Mohamed | Assistant Prof | Egypt        | Physical, Optical and Electrical Properties of Neodymium Yttrium Tellurium Bismuth Borate Glasses   |
| NAM36 | Sher Bahader Khan           | Associate Prof | Saudi Arabia | Fabrication of Enzymatic H <sub>2</sub> O <sub>2</sub> Electrochemical Biosensor Based on Graphene Oxide Nanocomposite  |
| NAM37 | Younes Ben Ahmed Moussaoui  | Associate Prof | Tunisia      | Synthesis and Functionalization of Silica Nanoparticles   |
| NAM38 | Laila Hamdan Abdel Rahman   | Professor      | Egypt        | Synthesis, Spectroscopic Characterization and Biological Properties of New Cu(II) Complexes of Unsymmetrical Tetradentate Schiff Base as Precursor for CuO Nanoparticles and their Electrochemical Applications |
| NAM39 | Mohsen Mohammed Al-Qahtani  | Professor      | Saudi Arabia | Influence of Annealing Temperature on Texture Formation, Magnetic And Sensing Properties of Lanthanum Ferrite Prepared Via Tartaric Acid  |

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|--------|--------------------------------|----------------|--------------|---|
| NAM310 | Doaa Mohammed EL-Mekkawi       | Associate Prof | Egypt        | Anti-Bacterial Activity Studies of Textile Modified with Nano-Structured Silver Metal and Copper, Zinc and Titanium Oxides                                      |
| NAM311 | Hatem Ben Romdhane             | Professor      | Tunisia      | UV-Patterning of Ion Conducting Negative Tone Photoresists Using Azide-Functionalized Poly(Ionic Liquid)s   |
| NAM312 | Mahmoud Ali Hussein            | Associate Prof | Saudi Arabia | Enhanced Magnetic and Electrical Behaviour of New Polyaniline/ $Mn_{0.8}Zn_{0.2}Fe_2O_4$ Nanocomposites. Synthesis & Characterization                           |
| NAM313 | Mohamed Magdy Khalil           | Professor      | Egypt        | Novel Carbon Nanotubes Chemically Modified Carbon Paste Electrodes for Determination of Gentamicin Sulfate in Pharmaceutical Preparations and Biological Fluids |
| NAM314 | Ghalia Saeed Alzhrani          | .Ph.D Student  | Saudi Arabia | Removal of Heavy Metal Ions from Aqueous Solution by Multi-Walled Carbon Nanotubes Modified with 8-Hydroxyquinoline: Kinetic Study                              |
| NAM315 | Mongia Said Ep Ezzina          | Professor      | Tunisia      | Study of The Mechanism of Oxidation of Methane to Methanol over Catalysts Based on Palladium Oxide Deposited On a Mesoporous Solid                              |
| NAM316 | Adel Bechir Megriche           | Professor      | Tunisia      | Structural and Magnetic Study of Bismuth Ferrit $BiFe_{0.9}CO_xMn_YO_3$ Nanomaterials Synthesized by Hydrothermal Method  |
| NAM317 | Fatih Tornuk                   | Assistant Prof | Turkey       | TGA and DSC Profiles pf LLDPE Based Active Nanocomposite Films Reinforced with Nanoclays Grafted with Some Plant Extracts                                       |
| NAM318 | Muhammed Zeki Durak            | Assistant Prof | Turkey       | Production of Antimicrobial Honey Based Nanofibers by Electrospinning   |
| NAM319 | Muhammad Ismail                | Ph.D. Student  | Pakistan     | Green Synthesis of Silver and Copper Nanoparticles and their Biological Evaluation  |
| NAM320 | Mohamed Mohamed Taher Gargouri | Professor      | Tunisia      | ac Electrical Conduction and Transport Properties of $LiCrP_2O_7$ Compound  |
| NAM321 | Enas Mohamed Morsi Mohamed     | .Ph.D Student  | Egypt        | Bio-Chemical Toxicity of Nano Zinc Oxide Powder   |

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|--------|------------------------------------|----------------|--------------|--|
| NAM322 | Shahid Ali Khan                    | .Ph.D Student  | Saudi Arabia | A Fascinating Electrocatalyst Based on Various Metal Doped Cobalt Oxide for Oxygen Evolution Reaction in Electrochemical Water Splitting                       |
| NAM323 | Foued Abdelhamid Ayed              | Associate Prof | Tunisia      | Elaboration and Characterization of Biomaterial Based on the Tricalcium Phosphate and the Bioinert Oxide   |
| NAM324 | Syeda Rubina Gilani                | Professor      | Pakistan     | Biosynthesis of Silver Nanoparticles and their Antimicrobial Studies   |
| NAM325 | Mohamed Mahmoud Ahmed Abd El-Wahab | Professor      | Egypt        | Efficient Dehydration of Ethanol to Diethyl Ether over Nano Alumina Supported Phosphotungstic Acid Catalysts   |
| NAM326 | Mohammed Lachkar                   | Professor      | Morocco      | Sol-Gel Synthesis and in Vitro Growth of an Apatite-Like Layer on Glasses of the Systems $\text{SiO}_2\text{-CaO}$ and $\text{SiO}_2\text{-CaO-P}_2\text{O}_5$ |
| NAM327 | Ibrahim Ahmed Abdelhadi Youssef    | Assistant Prof | Egypt        | Development of pH-Sensitive Micelles for Drug Delivery to Advanced Prostate Cancer   |
| NAM328 | Hanaa Salah El-Desoky Mosad        | Professor      | Egypt        | Nano Determination of Sorafenib on Na-Montmorillonite Clay Modified Carbon Paste Electrode in Formulation and Human Blood                                      |
| NAM329 | Ahmed Mohamed Diaf                 | Associate Prof | Algeria      | The Ro-vibrational Energies for the Lithium-dimer with Feynman Formalism   |
| NAM330 | Mona Nabil Kamal El Fiky           | .Ph.D Student  | Egypt        | In Situ Polymerization of (mg/ al) Layered Double Hydroxide- Sodium Dodecyl Sulphate/Polypyrrole Nanocomposites for Electrochemical Analysis of Isoxsuprine    |
| NAM331 | Zoubir Aziz                        | Associate Prof | Algeria      | Effect of Applied Bias on Transmission Properties of Quasiperiodic $\text{Al}_x\text{Ga}_{1-x}\text{As}/\text{GaAs}$ Nanomaterials                             |
| NAM332 | Zerroual Larbi Lahcene             | Professor      | Algeria      | A Comparative Study of the Behavior of Electrochemical and Chemical $\text{PbO}_2$ in Sulfuric Acid  |
| NAM333 | Bouabdellah Bouadjemi              | Associate Prof | Algeria      | Robust Half-Metallicity and Magnetic Properties of Cubic $\text{PrMnO}_3$ Perovskite   |

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|--------|-----------------------------------|----------------|--------------|---|
| NAM334 | Samir Bentata                     | Professor      | Algeria      | First Principle Study of Structural, Electronic and Magnetic Properties of Double Perovskites $Ba_2CrMoO_6$                                   |
| NAM335 | Uzma Khalil Khalil                | Assistant Prof | Pakistan     | Ac Impedance, Rheological, Thermal and Structural Studies of Ternary Polymer Blends of PMMA/PEO/PVAc with Copper Nanoparticles                |
| NAM336 | Mahmoud Ahmed Mohamed Mousa       | Professor      | Egypt        | A High Performance Supercapacitor Device Based on $Co_xNi_{1-x}Fe_2O_4$ /Graphene/Polyaniline   |
| NAM337 | Sayed Mansour Ahmed               | Ph.D. Student  | Egypt        | Nanotechnology in Cultural Heritage Conservation:Silica Nanoparticles Saves Architectonic and Artistic Surfaces from Decay                    |
| NAM338 | Maged Shaif Al-Fakeh              | Assistant Prof | Saudi Arabia | Sonochemical Synthesis and Characterizations of Nanoscale Coordination Polymer by 5-(3-pyridyl)-1,3,4-oxadiazole-2-thiole and 2-Aminothiazole |
| NAM339 | Mohamed Dammak                    | Professor      | Tunisia      | Synthesis, Thermal Analysis, High Temperature X-Ray Single Crystal and Vibrational Study of the New Rubidium Arsenate Tellurate Material      |
| NAM340 | Tahar Mhiri                       | Professor      | Tunisia      | X-Ray Single Crystal, Thermal Analysis and Vibrational Study of the New Material $(NH_4)_2(SO_4)_{4/0.86}H(PO_4)_{0.14} \cdot Te(OH)_6$       |
| NAM341 | Abdelrhman Anter Mohammed Menazea | Ph.D. Student  | Egypt        | Spectroscopic and Thermal Properties of PVK/AgNPs Composites Prepared by Laser Ablation   |
| NAM342 | Moncef Ketari                     | Professor      | Tunisia      | Synthesis, Thermal Decompositions and Magnetic Properties of the New Thallium Arseniate Tellurate Compound                                    |
| NAM343 | Zakaria Elaoud                    | Professor      | Tunisia      | Disordered Structure and Electrical Properties of $[N(Pr)_4](H_2AsO_4)(H_3AsO_4)_2$ and $[N(Pr)_4]_2 MnCl_4$                                  |
| NAM344 | Uhoud Abdullah Mohammad           | Master Student | Saudi Arabia | Friedel -Crafts Benzylation of Toluene Using Supported Nanocatalyst   |
| NAM345 | Sebti Dhahri                      | Professor      | Tunisia      | Dielectric Properties and Alternating Current Conductivity of Sol-Gel Made $La_{0.8Ca0.2}FeO_3$ Compound                                      |

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|--------|------------------------|----------------|--------------|---|
| NAM346 | Kamel Ahmed Guidara    | Professor      | Tunisia      | Conductivity Behavior of $\text{Na}_{3.6}\text{Ni}_{2.2}(\text{P}_2\text{O}_7)_2$ Compound  |
| NAM347 | Bassem Mohamed Louati  | Professor      | Tunisia      | AC Electrical Conduction Mechanisms of $\text{K}_2\text{ZnV}_2\text{O}_7$   |
| NAM348 | Mohamed Amer Dammak    | Professor      | Tunisia      | Spectra and Energy Levels of $\text{Yb}^{3+}$ Ions in $\text{CaF}_2$ Transparent Ceramics   |
| NAM349 | Abdallah Merrouche     | Professor      | Algeria      | Effect of $\text{H}_2\text{O}_2$ Concentration on Electrochemical Growth and Photo-voltaic Performance of $\text{ZnO}/\text{CH}_3\text{NH}_3\text{PbI}_3/\text{CuI}$ Hybride Solar Cell |
| NAM350 | Hossein Salem Bayahia  | Assistant Prof | Saudi Arabia | Facile Synthesis of Pristine and Composite Metal Oxide Nanomaterials for Environmental Remediation  |
| NAM351 | Ebtesam Ali Al-Mutairi | Master Student | Saudi Arabia | Heteropolyacid Generated on the Surface of Iron Phosphate Nanotubes: Structure and Catalytic Activity Studies   |
| NAM352 | Saadullah Gary Aziz    | Professor      | Saudi Arabia | Stepwise Hydration of the Phenyl Cation in the Gas Phase. Formation of Covalently-bonded Protonated Phenol and Non-Covalent Hydrated Phenyl Cation Clusters                             |
| NAM353 | Ahmed Eid Fazary       | Associate Prof | Saudi Arabia | Molecular Structure and Complex Formation Equilibria of Some Antioxidants Spreads in the Plants in Saudi Arabia with Platinum, Vanadate Metal Ions, and Naringin                        |
| NAM354 | Sahar Ahmed Fadlallah  | Associate Prof | Saudi Arabia | Future Perspectives of Electrochemical Improvement Titanium Surface for Orthopedic Applications   |
| NAM355 | Tawfik A Saleh         | Assistant Prof | Saudi Arabia | Synthesis of Silver and Carbon nanotube loaded with Silver Nanoparticles for Surface Enhanced Raman Scattering Detection of Methimazole   |
| NAM356 | Mohamed Abdel Salam    | Associate Prof | Saudi Arabia | Synthesis of Novel Manganese Oxide Nanocorals and their Application for Air Remediation from Carbon Monoxide  |
| NAM357 | Hatem Ahmed Mahmoud    | Assistant Prof | Saudi Arabia | Nanostructured, Mesoporous Silica Supported Chromium Oxide Catalyst for Methanol Oxidation  |

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|--------|-------------------------------------|----------------|--------------|--|
| NAM358 | Muhammad Tariq Saeed Chani          | Assistant Prof | Saudi Arabia | Fabrication of Highly Efficient and Fast Response Humidity Sensors   |
| NAM359 | Abdessalem Mohamed Sgheir Dhahri    | Associate Prof | Saudi Arabia | Characterization and Modeling of the Magnetocaloric Effect in $\text{La}_{0.67}\text{Ba}_{0.33}\text{Mn}_{1-x}\text{Sb}_x\text{O}_3$ Compounds     |
| NAM360 | Hussein Hassanin Ibrahim Algan-zory | Assistant Prof | Saudi Arabia | Microwave Synthesis and Fluorescence Properties of Homo- and Heterodimeric Monomethine Cyanine Dyes  |
| NAM361 | Mervat Gamal El-Shaarawy            | Professor      | Egypt        | Synthesis, Characterization, and Dye-Sensitized Solar Cell Performance of N-Doped $\text{TiO}_2$   |
| NAM362 | Mosbah Jemmali                      | Assistant Prof | Saudi Arabia | Crystal Structure and Magnetic Properties of the New Ternary Phase $\text{GdFe}_{0.18}\text{Cu}_{1.82}$  |
| NAM363 | Abdeesslem Mohamed Jedidi           | Researcher     | Saudi Arabia | A DFT Study on the Support Effect of $\text{TiO}_2(110)$ for CO Dissociation over $\text{Fe}_4$ Cluster  |
| NAM364 | Shamah Nasser Hussain Ghorzan       | Lecturer       | Saudi Arabia | New Electrochemical Probe for Determination of Amiloride in Pure form and in Biological and Pharmaceutical Formulations                            |
| NAM365 | Aeshah Hassan Al-Amri               | Assistant Prof | Saudi Arabia | Relative Energies, Proton Transfer and Molecular Structure of 4-Hydroxy Naphthaldehyde-8-piperidin: A DFT and Quantum Topology Study               |
| NAM366 | Shaaban Ali Elroby                  | Professor      | Saudi Arabia | Theoretical Investigation on Multistate System of 4,7-Dihydroxy-3-methoxyflavylium: A DFT and TDDFT Study  |
| NAM367 | Hassan Amron Ewais                  | Professor      | Saudi Arabia | Formation and Characterization of a Stable Aqueous Dispersion of Silver Nanoparticles in Aqueous and Micellar Media. Kinetic and Mechanistic Study |
| NAM368 | Aisha Hussain Mobaraki              | Assistant Prof | Saudi Arabia | Role of Aqueous Extract of Celery, <i>Apium graveolens</i> L., Seeds Against the Corrosion of Aluminium in NaOH Solutions                          |



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|--------|--------------------------|-----------------|--------------|---|
| NAM369 | Tahani Mohammad Bawazeer | Assistant Prof  | Saudi Arabia | Confocal Laser Scanning Microscopy (CLSM) as a Probe to Visualise Electrochemical Processes at Optically Transparent Carbon Nano-tubes Ultramicroelectrodes (OT-CNT-UMES) |
| NAM370 | Rafik Nagi Gatri         | Associate Prof  | Saudi Arabia | Supramolecular Ruthenium-Alkynyl Multicomponent Architectures : Engineering, Photophysical Properties and Responsives to Nitroaromatics                                   |
| NAM371 | Hind Abdullah Aljohani   | Ph.D. Student   | Saudi Arabia | The Binding Modes of Citrate in the Stabilization of Gold Nanoparticles   |
| NAM372 | Yasser Mohamed Al Angari | Associate Prof  | Saudi Arabia | Synthesis, Characterization and Magnetic Properties of MWCNTs Decorated with Zn-Substituted $MnFe_2O_4$ Nanoparticles Using Waste Batteries Extract                       |
| NAM373 | Maha Saud Alsubaie       | Master Student  | Saudi Arabia | Studies on Nanozeoliteas Anticorrosion for Low Carbon Steel in Sulphuric Acid   |
| NAM374 | MD Ashrafal Alam         | Research Fellow | Japan        | Facile Fabrication of Microspherical Hydrogel Particles Based on Nanoparticle-Crosslinked Polymer Networks  |

### Oil, Gas and Energy: Oral Abstracts (chronological order)

| Code  | Name                     | Affiliation | Country  | Abstract Title   |
|-------|--------------------------|-------------|----------|--|
| OGA21 | Wan Azelee Wan Abu Bakar | Professor   | Malaysia | The Investigation of Manganese Oxide Based Catalysts for Catalytic .Oxidative Desulfurization on Model Diesel Fuel |

## Oil, Gas and Energy: Poster Abstracts (chronological order)

| Code  | Name   | Affiliation    | Country      | Abstract Title   |
|-------|--|----------------|--------------|--|
| OGA31 | Abdel-Rahman E El-Sayed                      | Professor      | Egypt        | Effect of Phosphoric Acid Concentration on the Conductivity of the Anodic Passive Film Formed on Grid of Lead Acid Batteries Made from Lead-Indium Alloy |
| OGA32 | Ahmed Hassan Osman Khalil                    | Professor      | Egypt        | Synthesis and Photovoltaic Properties of New Ruthenium (II) Sensitizers for Dye-Sensitized Solar Cells   |
| OGA33 | Syeda Rubina Gilani                          | Professor      | Pakistan     | Photocurrent Generation Through Plant Microbial Fuel Cell by Varying Electrode Materials   |
| OGA34 | Mohamed Abdalraheem Abusaied                 | Assistant Prof | Egypt        | Novel Carboxylated Poly (Glycidyl Methacrylate) Grafted Cellophane for Proton Exchange Membrane Fuel Cell Applications                                   |
| OGA35 | Mohd Adnan Khan                              | Assistant Prof | Saudi Arabia | Photocatalytic Water splitting Using $\text{CoO}_x$ - $\text{TiO}_2$ Nanocomposite Photocatalysts  |
| OGA36 | &Khaja Wahab Ahmed<br>Shahid Muhammad Bashir | Researcher     | Saudi Arabia | Synergism Between Anatase and Rutile. Effect of Initial Particle Size of $\text{TiO}_2$ for Photocatalytic Water Splitting                               |
| OGA37 | Rashid Miandad khan                          | Ph.D. Student  | Saudi Arabia | Influence of Temperature and Retention Time on the Pyrolytic Conversion of Waste Plastic to Liquid Fuel in Saudi Arabia                                  |
| OGA38 | Abdul-Sattar M Nizami                        | Assistant Prof | Saudi Arabia | Potential of Saudi Arabian Natural Zeolites in Energy Related Applications   |
| OGA39 | Mohrah Abdullah Almelfi                      | Lecturer       | Saudi Arabia | Highly Efficient Donor–Acceptor Hydrazone Dyes-Inorganic $\text{Si/TiO}_2$ Hybrid Solar Cells  |

|        |                         |               |              |   |
|--------|-------------------------|---------------|--------------|---|
| OGA310 | Shahid Ali Khan         | Ph.D. Student | Saudi Arabia | A Fascinating Electrocatalyst Based on Various Metal Doped Cobalt Oxide for Oxygen Evolution Reaction in Electrochemical Water Splitting  |
| OGA311 | Salem Salayyem Al-Deyab | Professor     | Saudi Arabia | Cobalt-Incorporated, Nitrogen-Doped Carbon Nanofibers as Effective NON-PRECIOUS Catalyst for Methanol Electrooxidation in Alkaline Medium |

### Petrochemicals and Catalysis: Oral Abstracts (chronological order)

| Code  | Name                    | Affiliation         | Country      | Abstract Title   |
|-------|-------------------------|---------------------|--------------|--|
| PCC21 | Mohamed Mokhtar Mostafa | Professor           | Saudi Arabia | Layered Double Hydroxides as Efficient Alternatives to Homogeneous Catalysts in the Synthesis of Fine Chemicals  |
| PCC22 | Mohammad Kamil          | Professor           | India        | Preparation and Study of Pluronic F127 Monolayers at Air-Water Interface   |
| PCC23 | Mohamed Hamdy Saad      | Associate Professor | Saudi Arabia | Novel Bi-Funtional Catalysts with High Impact  |
| PCC24 | Bahaa Mohamed Abu-Zied  | Professor           | Saudi Arabia | An Invesitgation of Alkali Cations Doped NiO Catalysts for N <sub>2</sub> O Direct Decomposition   |
| PCC25 | Shaimaa Mohamed Ibrahim | Assistant Prof      | Saudi Arabia | The Influence of La <sub>2</sub> O <sub>3</sub> -Doping on $\gamma$ -Structural, Surface and Catalytic Properties of Nanosized Cobalt-Manganese Mixed Oxides |

## Petrochemicals and Catalysis: Poster Abstracts (chronological order)

| Code  | Name                               | Affiliation         | Country        | Abstract Title   |
|-------|------------------------------------|---------------------|----------------|--|
| PCC31 | Huda Sharbini Harun Kamaluddin     | Ph.D. Student       | Saudi Arabia   | Enhancing the Propylene Selectivity in Methanol-to-Olefin Using Partially Crystalline H-ZSM-5 Catalysts  |
| PCC32 | Aftab Aslam Parwaz Khan            | Assistant Professor | Saudi Arabia   | Ru(III) as a Homogeneous Catalyst for the Oxidative Decolorization of Titan Yellow by Chloramine-T   |
| PCC33 | Naved Azum Shabiul Hasan           | Assistant Professor | Saudi Arabia   | Aggregation Behavior of Amphiphilic Drug and Surfactant Mixture under the Influence of Neutral Polymer   |
| PCC34 | Malik Abdul Rub                    | Assistant Professor | Saudi Arabia   | Amphiphilic Drug Promazine Hydrochloride Aggregational Behavior with Sodium Dodecyl Sulfate at Different Temperatures: Effect of Electrolyte and Urea  |
| PCC35 | Soliman Abdelfadeel Soliman Farage | Associate Professor | Egypt          | Catalytic Performance of Pure- and Cadmium-Substituted $\text{Co}_3\text{O}_4$ Spinel for Direct $\text{N}_2\text{O}$ Decomposition  |
| PCC36 | Ahmed Hassan Abdel Salam           | Assistant Professor | Saudi Arabia   | Synthesis and Properties of Tetranuclear Octahalocopper(II) Complexes, $\text{Pyr}_4\text{Cu}_4\text{X}_8$ (Pyr = Pyrrolidine, X = Cl or Br) and the Dimer $\text{Pyr}_4\text{Cu}_2\text{Cl}_4$ in Aprotic Media |
| PCC37 | Ikram Ahmad Ahmad                  | Ph.D. Student       | Saudi Arabia   | Enormously Proficient La-Sn Based Nanocatalysts for the Formation of Versatile Functionalized Cyclohexanone Derivatives  |
| PCC38 | George Tim Harrison                | Ph.D. Student       | United Kingdom | Surface Science Investigation of Combined Rutile and Anatase $\text{TiO}_2$  |
| PCC39 | Sharif Fakhruz Zaman               | Assistant Prof      | Saudi Arabia   | Hydrogen Production by Partial Oxidation of Methanol over $\text{Au/CeO}_2$ - $\text{ZrO}_2$ and $\text{Au/CeO}_2$ - $\text{ZrO}_2$ - $\text{TiO}_2$ Catalysts   |

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|--------|----------------------------|---------------------|--------------|--|
| PCC310 | Hamdan Ahmed Alghamdi      | Researcher          | Saudi Arabia | DFT Study of Ethanol and H <sub>2</sub> O <sub>2</sub> Adsorption and Reaction on Rutile TiO <sub>2</sub> (110) Surfaces   |
| PCC311 | Muhammad Amtiaz Nadeem     | Researcher          | Saudi Arabia | Hydrogen Production Using Ag-Pd /TiO <sub>2</sub> Bimetallic Catalysts: Is there a Combined Effect of Surface Plasmon Resonance with the Schottky ?Mechanism on the Photo-Catalytic Activity |
| PCC312 | Jamal Mohamed Lasri        | Professor           | Saudi Arabia | Metal-Catalyzed Cross-Coupling Reactions   |
| PCC313 | Miasser Mohammed Al-Ghamdi | Ph.D. Student       | Saudi Arabia | Mechanism of Intramolecular Rhodium and Palladium Catalyzed Alkene Alkoxyfunctionalizations  |
| PCC314 | Amal Ali Atran             | Lecturer            | Saudi Arabia | Synthesis of Isosorbide - Fatty Acid Esters by Using Heteropoly Acids  |
| PCC315 | Tarek Taha Ahmed Ali       | Associate Professor | Saudi Arabia | Formation of High Surface Area Catalytic Silica Materials via Drying Additives Control   |
| PCC316 | Nada Shaeel Al-Thabaiti    | Master Student      | Saudi Arabia | Cobalt-Layered Double Hydroxide Catalyzed Carbon-Carbon Coupling Reaction of Aryls   |

### Organic Synthesis, Natural Products and Medicinal Chemistry: Oral Abstracts(chronological order)

| Code  | Name                    | Affiliation   | Country        | Abstract Title  |
|-------|-------------------------|---------------|----------------|---|
| SNM21 | Abeer Abdulaziz Bukhari | Ph.D. Student | United Kingdom | Towards the Synthesis of A Novel Enterochelin Analogue  |
| SNM22 | Islam Ullah Khan        | Professor     | Pakistan       | Synthesis, Biological Evaluation and Molecular Docking Studies of Biphenyl Bis-Sulfonamides as Novel Acetyl And Butyryl Cholinesterase Inhibitors |

|        |                               |                |              |   |
|--------|-------------------------------|----------------|--------------|---|
| SNM23  | Amin Badshah Badshah          | Professor      | Pakistan     | New Synthons in Heterocyclic Chemistry: Synthesis and Characterization  |
| SNM24  | Ghada Mohammad Al-Ashmawy     | Ph.D. Student  | Egypt        | Effect of Dexamethasone on Phenotyping of Dendritic Cells: in Vitro and In Vivo Study   |
| SNM25  | Bushra Munir                  | Assistant Prof | Pakistan     | Bio-Kinetics Study of Anti-Tuberculosis Drug in Healthy Volunteers After Oral Administration  |
| SNM26  | Rizwan Ahmad                  | Ph.D. Student  | India        | Antioxidants and Pharmacognostical Investigations Including HPTLC Fingerprinting for the Standardization of Cichorium intybus L Seeds     |
| SNM27  | Anwar Said Mohamed El-Shahawy | Prof           | Egypt        | Paracetamol Drug and its Carcinogenic Effect  |
| SNM28  | Yunusa Umar                   | Assistant Prof | Saudi Arabia | Triple-Tailed Hydrophobic Monomer for the Synthesis of Amphiphilic Polymers Based on Diallyl Ammonium Salt                                |
| SNM29  | Shadia Mahmoud Sirry          | Assistant Prof | Saudi Arabia | Total Phenolic Content, Total Flavonoides and Free Radical Scavenging Capacities of Two Local Mint Species                                |
| SNM210 | Nasser Belkacem Belboukhari   | Professor      | Algeria      | Phytochemical Investigation of Aerial Part of Limoniastrum Feei   |
| SNM211 | Abdullah Mohamed Asiri        | Prof           | Saudi Arabia | Synthesis and Use of Photochromic Compounds as Smart Switchable Glazing for Solar Energy and Daylight Control in Building                 |
| SNM212 | Sanaa Majid                   | Assistant Prof | Morocco      | Technique of Membrane Processes or the Directed Process of Facilitated Extraction and Recovery of Cholesterol from Food Products          |
| SNM213 | Amna Beshir Medani Ahmed      | Assistant Prof | Sudan        | Toxicity of Alum to Newzealand Rabbits  |
| SNM214 | Eman Gouda Khedr              | Assistant Prof | Egypt        | Prophylactic Effect of Pomegranate Hull Extract Against Neoplastic Changes in Liver   |
| SNM215 | Muhammad Abdul Qadir          | Professor      | Pakistan     | Synthesis, Characterization and Anti-Microbial Studies of Novel Sulfonamides Derived Through Creatine, 2-Aminopyridine and Methyl Alanine |

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|--------|----------------------------------|----------------|--------------|--|
| SNM216 | Mohamed El Hattab                | Professor      | Algeria      | New Secondary Metabolite from the Red Alga Laurencia Obtusa Collected in the Red Sea   |
| SNM217 | Mohamed Mousa Ibrahim            | Professor      | Saudi Arabia | Insulin-Like Action of Novel Metformin-Containing Vanadates as New Antidiabetic Drugs  |
| SNM218 | Hlaibi Miloudi                   | Professor      | Morocco      | The Synergy Phenomena Study Relating to Interactive Agents Adopted for Oriented Extraction Process of the Active Ingredient Paracetamol  |
| SNM219 | Enas Arafa Abdelhalim Elzomorany | Professor      | Egypt        | Impact of Culture Duration on The Quantity And Quality of Hepatocytes Derived from Umbilical Cord Mesenchymal Stem Cells                 |
| SNM220 | Abdul Ghaffar                    | Assistant Prof | Pakistan     | Chemical Composition and in-Vitro Evaluation of the Antimicrobial and Antioxidant Activities of Seven Eucalyptus Species' Essential Oils |

### Organic Synthesis, Natural Products and Medicinal Chemistry: Poster Abstracts (chronological order)

| Code  | Name                          | Affiliation    | Country | Abstract Title  |
|-------|-------------------------------|----------------|---------|---|
| SNM31 | Nagwa Mohamed ElSawi Mahmoud  | Professor      | Egypt   | Goji Extract as Antioxidant Agent on Roridin A Induced Hepatotoxicity in M Rat  |
| SNM32 | Nahla El-Sayed El-Ashmawy     | Professor      | Egypt   | Gastroprotective Effect of Garlic in Indomethacin Induced Gastric Ulcer in Rats |
| SNM33 | Khaled Laid Sekkoum           | Associate Prof | Algeria | The HPLC Chiral Separation of Natural Products                                  |
| SNM34 | Anwar Said Mohamed El-Shahawy | Professor      | Egypt   | Quantum Spectroscopic Studies of Ibuprofen Drug and Some Analogues              |





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|--------|--------------------------------|----------------|--------------|--|
| SNM316 | Heba Attia Hamed Abdelrazik    | Assistant Prof | Egypt        | Synthesis and Biological Evaluation of New Pyrimidines as Anticancer and Antioxidant Agents  |
| SNM317 | Lamia Taha Abou El-Kassem      | Associate Prof | Egypt        | Phytochemical Analysis and Biological Evaluation of Rumex Pictus   |
| SNM318 | Lamia Taha Abou El-Kassem      | Associate Prof | Egypt        | Chemical Composition and Antifungal Activity of Ocimum Basilicum L. Essential Oil  |
| SNM319 | Somia Ayeshe Nassar Salem      | Assistant Prof | Egypt        | Biochemicals, Immunologicals and Hematologicals Studies in Newly Born Buffeloe Calves Experimentally Infected with Corona Virus  |
| SNM320 | Mohamed Lotfi Hamouda Efrif    | Professor      | Tunisia      | An Efficient Synthesis of New Triazolylsulfonamides  |
| SNM321 | Hedi Ben Abderrahman Mrabet    | Professor      | Tunisia      | An Efficient Synthesis Route of New Phosphonomethyl-Coumarin, -Quinolinone and -Benzoxepinone Derivatives  |
| SNM322 | Ridha Ben Ali Ben Salem        | Professor      | Tunisia      | Sonogashira Coupling Reaction of Aryl Halides with Terminal Alkynes Catalyzed by Palladium under Ultrasonic Irradiation under Optimized Conditions                               |
| SNM323 | Amira Mahmoud Hassanein Ahmed  | Professor      | Egypt        | Optical and Thermal Properties of some Azo Derivatives of 5-(4-alkyl phenylazo)-N-Acryloyl-4-aminosalicylic Acid Thin Films  |
| SNM324 | Abdelaziz Ibrahim Sayed El-Ahl | Professor      | Saudi Arabia | Ultrasound-Assisted Synthesis of Spiro [Pyrrolo[2,1-b]thiazole-3,3'-indolin]-2-one via 1,3-dipolar Cycloaddition Reaction of Thiazolium and Benzothiazolium N-Ylides             |
| SNM325 | Naceur Hamdi                   | Associate Prof | Saudi Arabia | Novel Metal-Free Phthalocyanines and Metallophthalocyanines Bearing Coumarin Derivatives; Synthesis, Characterization, Antioxidant, Antibacterial and Anti-Inflammatory Activity |
| SNM326 | Farhat Rezgui                  | Professor      | Tunisia      | Preparation and Synthetic Applications of Morita-Baylis-Hillman Derivatives  |
| SNM327 | Youssef Omar Arfaoui           | Associate Prof | Tunisia      | Reactivity of Pyrazole Derivatives with Halomethanes: Theoretical and Experimental Studies   |

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|--------|--------------------------------|----------------|--------------|--|
| SNM328 | Abeer Sayed Sayed Moawad       | Assistant Prof | Egypt        | Volatile oil Composition and Antioxidant Properties of Thuja orientalis  |
| SNM329 | Thouraya Mosabh Barhoumi Slimi | Associate Prof | Tunisia      | Experimental and Theoretical Structural Assignments of Diels-Alder Adducts   |
| SNM330 | Mohamed Mihoub Zerroug         | Professor      | Algeria      | Natural Allepp resin from Sétif east of Algeria with Antibacterial activity  |
| SNM331 | Safa Noureddine Azouni         | Ph.D. Student  | Tunisia      | An Efficient Synthesis of New Triazolylsulfonamides  |
| SNM332 | Moussa Brada                   | Professor      | Algeria      | Chemical Composition and Biological Activity of THYMUS FONTANE-SII Essential Oil from Algeria  |
| SNM333 | Syed Tanveer Hussain Bokhari   | Assistant Prof | Pakistan     | Antimicrobial, Antioxidant, Cytotoxic Studies of Methanolic Extract, Fractions and Essential Oil of Curry Patta (CHALCAS KOEINGII) from Pakistan |
| SNM334 | Osman Sagdic                   | Professor      | Turkey       | Alcea rosea Flower: as A Natural Bioactive Wild Tea  |
| SNM335 | Rym Abdeljabbar Abidi          | Professor      | Tunisia      | Synthesis and Complexing Properties of New Hydrosoluble Calix[4] Arenes Glycoconjugated with Hydroxamic Acid                                     |
| SNM336 | Sonia Mahmoud Abid             | Professor      | Tunisia      | Investigation into the Synthesis, Crystal Structure and Electrochemical Compartment of a New Cadmium Piperazinium Complex                        |
| SNM337 | Moufida Younes Romdhani        | Professor      | Tunisia      | Synthesis of Substituted Bis(allyl)Polythioethers: Application for the Synthesis of Crown Thioethers   |
| SNM338 | Muhammet Arici                 | Professor      | Turkey       | Thermal Properties of Taro (Colocasia esculenta L. Schott) Flour Dried at Different Temperatures   |
| SNM339 | Nazeeha Suliman Alkayal        | Ph.D. Student  | Saudi Arabia | Well-Defined Polymethylene-Based Block Co/Terpolymers by Combining Anthracene/Mimide Diels-Alder Reaction with Polyhomologation                  |

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|--------|------------------------------|----------------|--------------|--|
| SNM340 | Kamel Ammar Belhamel         | Professor      | Algeria      | Evaluation of Pistacia Lentiscus Essential oil and its Major Chemical Constituents as Eco-Friendly Alternative to Chemical Repellents Against Rhyzopertha Dominica, Sitophilus Zeamais, Tribolium Confusum |
| SNM341 | Mohamed Mongi Kossentini     | Professor      | Tunisia      | Synthesis of New Bis-1,3,4,2-Triazaphospholino-Alkanes Derivatives from Bis-Amidrazones  |
| SNM342 | Majed Ahmed Kammoun          | Associate Prof | Tunisia      | Synthesis and Antimicrobial Activity of New Dihydroisoquinoline Nitones  |
| SNM343 | Ibrahim Sifi                 | Ph.D. Student  | Algeria      | In-vitro Evaluation of Antiradical Activity and Chemical Composition of Essential oil from Leaves of Pinus Halepensis and Mentha Piperita (from Gharaira (Algeria  |
| SNM344 | Jehan Yahya Al-humidi        | Assistant Prof | Saudi Arabia | Phytochemical Screening, Total Phenolic and Antioxidant Activity of Crude and Fractionated Extracts of Cynomorium Coccineum Growing in Saudi Arabia  |
| SNM345 | Ikram Ahmed                  | Ph.D. Student  | Saudi Arabia | Synthesis, Crystal Structure of N-[(E)-(3-Hydroxynaphthalen-2-yl)methylidene]-4-benzenesulfonohydrazide(HNMBSH)and its Applications in Metal Complexation  |
| SNM346 | Kamel Abdelkader Hachama     | Assistant Prof | Algeria      | Study of Extraction and Antibacterial Activity of Flavonoid of Mentha Pulegium L. from Algeria   |
| SNM347 | Muhammad Nadeem Arshad       | Assistant Prof | Saudi Arabia | Synthesis, single crystal, spectroscopic studies, theoretical calculations (DFT & HF) of 1,3,3'-trimethylspiro[benzo[f]chromene-3,2'-indoline  |
| SNM348 | Muhammad Nadeem Arshad       | Assistant Prof | Saudi Arabia | Synthesis and Structural Properties of Sulfonamide Derivatives; A Combined Experimental and Theoretical Studies  |
| SNM349 | Zaid Mahmood                 | Professor      | Pakistan     | Structural and Biological Studies of Zinc Complex  |
| SNM350 | Abderrahmane Lakhdar Senator | Professor      | Algeria      | Phenolic Content and Antioxidant Activity of Methanolic Extract of Algerian Pistachia lentiscus Fruits   |

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|--------|--------------------------------------|----------------|--------------|--|
| SNM351 | Nada Anwar Said Mohamed El-Shahawy   | Ph.D. Student  | Egypt        | $\beta$ -Carotene Effect on Performance of Reproduction in Farafra Ewe Lambs Using Arachis Oil   |
| SNM352 | Shahid Ali Khan                      | Ph.D. Student  | Saudi Arabia | Biologically Active with Anolides from Withania Coagulans Dunal and its Characterization and Computational Study                       |
| SNM353 | Najoua Mohamed Bennia                | Researcher     | Tunisia      | In vitro Evaluation of the Antioxidant, Anticancer, Acetylcholinesterase Activities of Thymelaea Hirsuta Extracts                      |
| SNM354 | Syeda Rubina Gilani                  | Professor      | Pakistan     | Central Nervous System (CNS) Toxicity Caused by Metal Poisoning: Brain as a Target Organ   |
| SNM355 | Mohammed Lachkar                     | Professor      | Morocco      | Flavonoids and Alkaloids from Calycotome Villosa subsp. Intermedia: Isolation, X-Ray Structure Determination and Biological Activities |
| SNM356 | Sami Abdelhamid Zouari               | Professor      | Tunisia      | Fruits of Ruta Chalepensis L. As A Source of 2-Undecanone  |
| SNM357 | Elbadawy Abdelaziz Aboelyazed Kamoun | Assistant Prof | Egypt        | Remote-Controlled Drug from In-Situ Forming Thermo-sensitive Hydrogel Nanocomposite for Hyperthermia Therapy Application               |
| SNM358 | Omya Abdelaziz Abdellatif Abdallah   | Associate Prof | Egypt        | Synthesis and Spectral Analyses of Some New 1,8 – Naphthyridine Derivatives  |
| SNM359 | Mahmoud Sayed Bashandy               | Associate Prof | Saudi Arabia | Synthesis, Anti-Breast Cancer and Molecular Docking of Some Heterocycles Incorporating N,N-Dibenzylbenzenesulfonamide                  |
| SNM360 | Hebaallah Atef Helmy Elsayed Elshimy | Assistant Prof | Egypt        | Design, Synthesis And Biological Evaluation of Novel Celecoxib Analogs as Potential Anti-Inflammatory Agents                           |
| SNM361 | Mohamed Sadok Bouaziz                | Professor      | Tunisia      | Biosurfactant Produced by Novel Stenotrophomonas Sp. B-2 with Biodegradation of N-Alkanes and Polycyclic Aromatic Hydrocarbons         |
| SNM362 | Mohamed Labib Ragheb Salem           | Professor      | Egypt        | In vitro and In vivo Studies of the Immunomodulatory Effects of Echinacea Purpurea on Dendritic Cells                                  |
| SNM363 | Doaa Selim Ahmed Elhallous           | Ph.D. Student  | Egypt        | Studies on the Effect of Some Probiotics in Rabbits  |

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|--------|------------------------------------|-------------------|--------------|---|
| SNM364 | Ahlam Maadi Asiri                  | Lecturer          | Saudi Arabia | Synthesis and Antimicrobial Evaluation of Some New Antipyrene Based Heterocycles  |
| SNM365 | Adel Mohamed KaMldien Saber Said   | Professor         | Egypt        | Synthesis of Novel Pyrazolo[4,3- <i>b</i> :4,5]thieno[3,2- <i>b</i> ]pyridine and Pyrazolo[4,3- <i>b</i> :4,5]thieno[3,2- <i>d</i> ]-pyrimidine Derivatives |
| SNM366 | Laid Makhloufi                     | Professor         | Algeria      | Preparation of Silver Nanoparticles in The Presence of Rosmarinus oficinalis Plant Extract: Evaluation of Antibacterial Activity                            |
| SNM367 | Mahmood Ahmed                      | Ph.D. Student     | Pakistan     | Exploration of Library of New Sulfonamides as Antimicrobial Agents  |
| SNM368 | Waseeq Ahmad Siddiqui              | Assistant Prof    | Pakistan     | Synthesis and Anticancer Activity of Oxicam Scaffolds and their Transition Metal complexes  |
| SNM369 | Hocine Laouer                      | Professor         | Algeria      | Chemical Composition and Antifungal Activity of Forniculum Vulgare Essential Oil  |
| SNM370 | Yasser Aboubakr Abdelmoez Moustafa | Professor         | Egypt        | Design, Synthesis, Reactions and Spectral Characterization of Some New Selenolopyrazole Compounds   |
| SNM371 | Elaref S Ratemi                    | Assistant Prof    | Saudi Arabia | Alanine Scanning of Octyl-tridecaptin A, Reveals Key Residues Responsible for Activity and Structural Stability in Membrane                                 |
| SNM372 | Muhammad Naeem Khan                | Senior Scientific | Pakistan     | Tetracyclic Heteroaromatic Systems-Synthesis of Ethoxycarbonyl-phenyl-pyrido[3',2':5,6]thiopyranoquinolines   |
| SNM373 | Thoraya Abd El Reheem Farghaly     | Professor         | Saudi Arabia | Synthesis, Antimicrobial Activity and Molecular Docking Study of Thiazole Derivatives   |
| SNM374 | Aramice Y.S. Malkhasian            | Professor         | Saudi Arabia | Docking and DFT Studies on Ligand Binding to Quercetin 2,3-Dioxygenase  |
| SNM375 | Naglaa Mohamed Abd Elrahman        | Professor         | Saudi Arabia | Ultrasound-promoted stereoselective synthesis of organophosphorus oxindole derivatives  |
| SNM376 | Afrah Mohamed Sharaf               | Ph.D. Student     | Saudi Arabia | Some Chemical Aspects of 1,2,4-Triazine Derivatives   |

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|--------|-----------------------------|----------------|--------------|---|
| SNM377 | Aayesha Nasreen             | Assistant Prof | Saudi Arabia | Nano Catalyzed Efficient and Facile Synthesis of Polysubstituted Imidazoles   |
| SNM378 | Tamer Said Sayed Saleh      | Associate Prof | Saudi Arabia | A Catalytic Green Chemistry Route Towards Biginelli Reaction  |
| SNM379 | Faisal Mohammed Aqlan       | Ph.D. Student  | Saudi Arabia | Synthesis, Spectroscopic studies of Fluorinated Pyrimido-1,2,4-Triazines: Protective Effect Against Some Plant Pathogenic Fungi   |
| SNM380 | Eid Ibrahim Brima           | Assistant Prof | Saudi Arabia | Determination the Levels of Some Essential Elements in Medicinal Plants Used in Diabetes Treatment by Atomic Absorption Spectroscopy  |
| SNM381 | Hany Abdel Aziz Eldeab      | Assistant Prof | Saudi Arabia | Microwave-Assisted synthesis of Some Novel Pyridine Nucleosides as Anti-Cancer and DNA-Intercalator   |
| SNM382 | Wael Abdelgayed Ahmed Arafa | Assistant Prof | Saudi Arabia | Eco-Friendly Three-Component Protocol for the Synthesis of Rhodanine Derivatives Using Water-polyethylene Glycol as an Efficient Reaction Medium  |
| SNM383 | Mohammed Golam Rasul        | Assistant Prof | Saudi Arabia | Microwave Assisted one Pot Synthesis of Pyrazine Derivatives of Pentacyclic Triterpenoids and their Biological Activity   |
| SNM384 | Ahlam Ibrahim Al-sulami     | Ph.D. Student  | Saudi Arabia | Triblock and Pentablock Terpolymers of Functionalized Vinyl Ethers by Base-Assisted Living Cationic Polymerization  |
| SNM385 | Amany Tawfik Hassan Ibrahim | Assistant Prof | Saudi Arabia | Electroanalytical Determination of The Antibiotic Cefazolin Sodium by Square-Wave Adsorptive Stripping Voltammetry  |
| SNM386 | Salah Ahmed Ali Elhussein   | Professor      | Sudan        | Triacylglycerol and Steroidal Sapogenin Biosynthesis in Developing Fruits of <i>Balanites Aegyptiaca</i>  |
| SNM387 | Nour Ahmed Osman Bashir     | Associate Prof | Saudi Arabia | Variation in the Levels of Sapogenins within the Fruit of <i>Balanites aegyptiaca</i> and Among <i>Balanites</i> Fruit Accessions Collected from Different Geographical Localities in Sudan |
| SNM388 | Eman Mohamed Flefel         | Associate Prof | Saudi Arabia | Synthesis and Antiviral Activity of Some Pyridazine and Fused Pyridazine Derivatives  |

|         |                                |                |                |  |
|---------|--------------------------------|----------------|----------------|--|
| SNM389  | Magda Hassan Abdullattif       | Assistant Prof | Saudi Arabia   | Synthesis of Some Novel Compounds of Saccharinyl Acetic acid Containing Nucleus and Evaluation of Some of their Biological Activities  |
| SNM390  | Nizar Omar El Gusemi           | Assistant Prof | Saudi Arabia   | Reactivity of 1,3,5-tris-(trifluoromethyl-sulfonyl)benzene with Enamines in Acetonitrile   |
| SNM391  | Elham Amin Mohamed Saleh       | Assistant Prof | Saudi Arabia   | Evaluation of the Antilishmanial Activity of Plants Collected from the Egyptian Flora  |
| SNM392  | Eman Rashad Kotb               | Associate Prof | Egypt          | New Pyrimidine Derivatives: Synthesis, Antitumor and Antioxidant Evaluation  |
| SNM393  | Khaled Farouk El-massry        | Professor      | Saudi Arabia   | Evaluation Chitosan/Fructose Model as an Antioxidant and Antimicrobial Agents for Shelf Life Extension of Beef Meat During Freezing  |
| SNM394  | Rasha El-Demerdashi El-Mekawi  | Assistant Prof | Saudi Arabia   | Electronic Absorption Spectra: Novel Porphyrazines Containing Peripherally Functionalized Fused Heterocyclic Compounds as invivo Antitumor Agents  |
| SNM395  | Haiam Mohamed Abdelhady Ashour | Associate Prof | Egypt          | Novel 3-Cyano-2-substituted Pyridines Induced Apoptosis in Human MCF-7 Breast Cancer Cells   |
| SNM396  | Refat El Sayed Abdelfattah     | Associate Prof | Saudi Arabia   | Synthesis of Some Dye-stuffs and Studies of their Application on Dyeing of Polyester Fibers, Physical and Biological Activities  |
| SNM397  | Tahir Ali Sheikh               | Ph.D. Student  | Saudi Arabia   | Synthesis and Structural Studies of N,N>-(Butane-1,4-diyl)bis(2,5-dimethoxybenzenesulfonamide) and N,N>-(Hexane-1,6-diyl)bis(2,5-dimethoxybenzenesulfonamide)  |
| SNM398  | Faisal Ateeq Almalki           | Ph.D. Student  | United Kingdom | The Total Synthesis of Macrocyclic Bisbibenzyl Natural Product, Riccardin D  |
| SNM399  | Abdalla Mohamed Khedr          | Professor      | Saudi Arabia   | Synthesis, Characterization and Biological Activity of Azo-azomethine Ligands with N <sub>2</sub> O <sub>2</sub> Donor Atom Sets and their Binuclear UO <sub>2</sub> (II) Complexes for Therapeutic Applications |
| SNM3100 | Hebat-Allah Sayed Abbas        | Associate Prof | Saudi Arabia   | Molecular Modeling Studies and Synthesis of Novel Quinoxaline Derivatives with Potential Anticancer Activity as Inhibitors of c-Met Kinase   |

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|---------|------------------------------|----------------|--------------|--|
| SNM3101 | Ahmed Eid Fazary             | Associate Prof | Saudi Arabia | Biodegradable Hydroxamate and Cataecholate Siderophores: New Insights into their Complexation and Biological Relevance   |
| SNM3102 | Ismail Ibrahim Althagafi     | Assistant Prof | Saudi Arabia | Metal and Non-Metal Mediated Regioselective Synthesis of Highly Functionalized Phenanthridin Derivatives   |
| SNM3103 | Kamel Hussein Shaker         | Professor      | Saudi Arabia | INDOL ALKALOIDS FROM THE SEA ANEMONE HETERACTIS AURORA AND HOMARINE FROM OCTOPUS CYANEA  |
| SNM3104 | Amgad Mohammed Ahmed Ibrahim | Lecturer       | Saudi Arabia | Determination Of Anthocyanins Content in Crude and Processed Roselle Hibiscus Calyces, and Strawberries Fruit  |
| SNM3105 | Aisha Rasheed Al-Marhabi     | Lecturer       | Saudi Arabia | Synthesis, Characterization and Pharmacological Evaluation of Some Quinoxaline Derivative: Promising and Potent New Class of Anticancer and Antimicrobial Agents |
| SNM3106 | Fatimah Ali Al-Zahrani       | Ph.D. Student  | Saudi Arabia | Synthesis of a New Fluorescent Cyanide Chemosensor Based on Phenothiazine Derivative   |
| SNM3107 | Amerah Mohammed Al-Soliemy   | Ph.D. Student  | Saudi Arabia | Photochromic Properties of Fulgimides Doped in PMMA Polymer Film   |
| SNM3108 | Khaled Fraj Debbabi          | Assistant Prof | Saudi Arabia | Reverse Water-in-Fluorocarbon Microemulsions Stabilized by Polyhydroxylated Nonionic Fluororinated Surfactants   |

### Water and Environmental Applications: Oral Abstracts (chronological order)

| Code  | Name                 | Affiliation    | Country      | Abstract Title  |
|-------|----------------------|----------------|--------------|---|
| WEA21 | Mohamed Abdel Salam  | Associate Prof | Saudi Arabia | Applications of Nanomaterials for Environmental Remediation                           |
| WEA22 | Alanoud Mosa Alasiri | Master Student | Saudi Arabia | Dispersion of Chemical Toxic Pollutants in Atmosphere: A "Chemical Security" Approach |



|        |                                    |                |                 |   |
|--------|------------------------------------|----------------|-----------------|---|
| WEA23  | Muhammad Bilal                     | Assistant Prof | Pakistan        | Biosynthesis of Silver Nanoparticles and Their Assessment Against Removal of Micro Pollutant of Hospital Water                                    |
| WEA24  | Mona Hassan Mohamed Abdel Rehim    | Associate Prof | Egypt           | Modification of RO Desalination Membrane with Hydrophilic Polymers  |
| WEA25  | Shaikh Asrof Ali                   | Professor      | Saudi Arabia    | Synthesis of Hydrophobic Cross-Linked Polyzwitterionic Acid for Simultaneous Sorption of Organic and Toxic Metal Ion Contaminants from Wastewater |
| WEA26  | Tarik Eljaddi                      | Ph.D. Student  | Morocco         | Membrane Polymer Psu/Pvp-Cholic Acid for Studying The Facilitated Transport of Cadmium and Copper Ions from Acidic Solutions                      |
| WEA27  | Hasan Mahmood Khan                 | Professor      | Pakistan        | Decomposition of Ciprofloxacin by Ionizing Radiations: Kinetics and Effect of Radical Scavenger   |
| WEA28  | Mohamed El-kassem Mohamed Hassouna | Professor      | Egypt           | Adsorptive Removal of Iron and Manganese from Groundwater Using CNTs Clay Composite and Organo-Clay Nano Composite                                |
| WEA29  | Sahar Mohamed Mousa                | Professor      | Saudi           | Synthesis of Nano-Crystalline Hydroxyapatite and Ammonium Sulfate from Phosphogypsum Waste  |
| WEA210 | Jan Nisar                          | Assistant Prof | Arabia Pakistan | Evaluation of Kinetic Data for Modeling of Unimolecular Reactions in The Gas-Phase  |
| WEA211 | MD Golam Mostafa                   | Professor      | Bangladesh      | Assessment of Hydro-Geochemistry and Groundwater Quality of Rajshahi City in Bangladesh   |
| WEA212 | Hoda Farouk Ahmed Mohamed Zahran   | Assistant Prof | Egypt           | Agricultural Drainage Water Treatment Using Artificial Neural Network – A Review  |
| WEA213 | Abdulrahman Brahim Alohaidib       | Researcher     | Saudi Arabia    | The Role of Saudi Standards Metrology And Pnaity Organization (SASO) in The Preservation of The Environment                                       |

## Water and Environmental Applications: Poster Abstracts (chronological order)

| Code  | Name                           | Affiliation    | Country      | Abstract Title   |
|-------|--------------------------------|----------------|--------------|--|
| WEA31 | Muhammad Nadeem Arshad         | Assistant Prof | Saudi Arabia | N-[1-(Pyridin-2-Yl)Ethylidene]Benzenesulfono -Hydrazide (PEBSH) Based Fabricated Silver Electrode for Sensing Hg <sup>+2</sup> Cations                             |
| WEA32 | Tahseen Kamal                  | Assistant Prof | Saudi Arabia | TiO <sub>2</sub> /Chitosan Hybrid Layer on Microfibriller Cellulose for Simultaneous Thymol Violet Adsorption and Photodegradation with Antibacterial Character    |
| WEA33 | Jawaher Taher Mojamami         | Master Student | Saudi Arabia | Degradation of Some Organic Dyes by Using Ferrites Catalysts   |
| WEA34 | Rahamdad Khan                  | Ph.D. Student  | Pakistan     | Assessment of Selected Heavy Metals in Wild Plants Receiving Industrial Effluents in Peshawar-Pakistan   |
| WEA35 | Reda Abdel Hameed Abdelghany   | Associate Prof | Saudi Arabia | Recycling of The Used Cooking Oils As Corrosion Inhibitors for Carbon Steel in Hydrochloric Acid Corrosive Medium  |
| WEA36 | Ridha Mohamed Abdelhedi        | Professor      | Tunisia      | Treatment of Dilute Methylene Blue-Containing Wastewater by Coupling Sawdust Adsorption and Electrochemical Regeneration   |
| WEA37 | Ali Eldissouky Ali Aboukhamera | Professor      | Egypt        | Studies on Metal Complexes and Metal Capacity of Newly Synthesized Chelating Resin (2, 2'-Ethylenedithio) Diethanol  |
| WEA38 | Gharam Ibrahim Mohammed        | Lecturer       | Saudi Arabia | Sensitive Differential Pulse Adsorptive Stripping Voltammetric Determination of Timolol Maleate in Pharmaceuticals and Human Urine Using a Glassy Carbon Electrode |

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|--------|-------------------------------|----------------|--------------|---|
| WEA39  | Zainab Mohammad Saigl         | Assistant Prof | Saudi Arabia | A Simple and Highly-Structured Promazine Hydrochloride as Fluorescent Quenching Chemosensor for Determination and Chemical Speciation of Chromium (III & VI) Species in Water               |
| WEA310 | Zanaty Rady Komy Abdel-mohsen | Professor      | Egypt        | Spectrophotometric Studies on Determination Of Co (II) and Ni (II) in Binary Mixture by Methyl-2-Pyridylketone-5-Nitropridylhydrazone   |
| WEA311 | Mohamed Abdel Fattah Gabal    | Professor      | Saudi Arabia | Synthesis of High Surface Area Magnetic Nanocomposite from Graphene Nanoplatlets and Ferrite Prepared from Spent Zn-C Batteries and Its Application for Removal of Organic Dye from Water   |
| WEA312 | Ikhtiar Khan                  | Professor      | Pakistan     | Ground Water Contamination by Tannery Effluents and Its Impact on Human Health in Peshawar, Pakistan  |
| WEA313 | Hossnia Saber Mohran Ahmed    | Professor      | Egypt        | Role of Nickel Alloying with Zinc on the Anodic Dissolution Behavior of Zinc in 3.5% NaCl Solution; Part II: Potentiodynamic, Potentiostatic and Galvanostatic Studies                      |
| WEA314 | Salhi Ramdane                 | Professor      | Algeria      | A Spectrophotometric Method for the Determination of Copper, Nickel, Chromium and Iron in Electroplating Hydroxide Sludge   |
| WEA315 | Noha Musa Al-Qasmi            | Ph.D. Student  | Saudi Arabia | Electrochemical Determination of Organophosphate Pesticide Tetrachlorvinphos by Using Mercury Meniscus Modified Silver Solid Amalgam Electrode  |
| WEA316 | Muhammad Tariq Qamar          | Ph.D. Student  | Saudi Arabia | Synthesis, Characterization And Photocatalytic Activity of Visible Light Active Mn <sub>2</sub> O <sub>3</sub> -ZnO Composite   |
| WEA317 | Muhammad Tariq Qamar          | Ph.D. Student  | Saudi Arabia | Development of Photocorrosion Resistant Mo <sup>6+</sup> Modified Hexagonal ZnO And Evaluation of Its Photocatalytic Performance for The Removal of Chloroacetic Acids in Sunlight Exposure |

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|--------|-----------------------------------|----------------|--------------|--|
| WEA318 | Mohamed Tahar Naous               | Assistant Prof | Algeria      | The Effect of Chain Length on The Physico-Chemical Properties of Cationic/Non Ionic Mixed Surfactants Systems                                    |
| WEA319 | Soha farag Ibrahim Holayel        | Associate Prof | Egypt        | Bacterial Isolation, Optimization and Immobilization for Decolonization (and Degradation of the Azo Dye (Basic Red 46                            |
| WEA320 | Soha farag Ibrahim Holayel        | Associate Prof | Egypt        | Biodegradation of Petroleum Industry Oily Sludge by Bacterial Consortium and Its Application in Land Farming                                     |
| WEA321 | Salah Mahmoud Ali Abdelrahman     | Associate Prof | Egypt        | Effect of Low Frequency Electromagnetic Fields (LF-EMFs) On C-Myc Oncogene Expression Level in Peripheral Blood Mononuclear Cells (PBMCS)        |
| WEA322 | Naglaa Farag Soliman              | Researcher     | Egypt        | Polycyclic Aromatic Hydrocarbons in Damietta Port Sediments, Egypt   |
| WEA323 | Abdelmoneim Mohamed Ayadi         | Professor      | Tunisia      | Arsenic Removal from Drinking Water by Electrodialysis Process   |
| WEA324 | Yasmeen Gaber Mohamed Abouelreash | Assistant Prof | Egypt        | Speciation and Separation Of Cu(II) from Aqueous Solutions Using a Novel Nano-Silver Chitosan/Polyacrylamide Membranes                           |
| WEA325 | Zerroual Larbi Lahcene            | Professor      | Algeria      | Electrochemical Degradation of Phenol in Aqueous Solution on PbO <sub>2</sub> -Clay/Polyaniline Nanocomposites                                   |
| WEA326 | Halfadji Ahmed                    | Ph.D. Student  | Algeria      | Determination of Polychlorinated Biphenyls and Polycyclic Aromatic Hydrocarbons in Soil by Ultrasonic Assisted Extraction and Gas Chromatography |
| WEA327 | Tayirjan Taylor Isimjan           | Researcher     | Saudi Arabia | Band Gap Altering of Silver Phosphite for Photocatalytic Total Water Splitting   |
| WEA328 | Muhammad Afzal                    | Researcher     | Malaysia     | Calixarene-Grafted Magnetic Sporopollenin for the Removal Pesticides from Aqueous Environment  |

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|--------|--------------------------------|----------------|--------------|---|
| WEA329 | Safaa Youssif Abo Elwafa       | Master Student | Egypt        | Water Pollution by Heavy Metals in the Western Lagoon and Its Effect .on Timsah Lake and Consequently on Suez Canal   |
| WEA330 | Hoda Kamal Salem               | Professor      | Egypt        | Acute Toxicity of Some Insecticides on Water Flea, Daphnia Longispina (Crustacea – Cladocera)   |
| WEA331 | Abdellatif Mohamed Tabet Helal | Lecturer       | Algeria      | Quality of Groundwater in Ain Sefra Area, Sahara, Algeria   |
| WEA332 | Kabiruddin                     | Professor      | India        | Surface-Active Properties and Solubilization Capability of Cationic Ester-Bonded Gemini Surfactant 14-E2-14 Towards Polycyclic Aromatic Hydrocarbons in Pure and Mixed Micelles with Conventional Surfactants |
| WEA333 | Basma Ghaleb Alhogbi           | Assistant Prof | Saudi Arabia | The Efficiency of Removing Lead ion (Pb II) from Waste Water using Coffee Husk As a Green Sorbent Material  |
| WEA334 | Mona Nabil El Hazek            | Professor      | Saudi Arabia | Preparation of Pure Vanadium Pentoxide from Red Cake  |
| WEA335 | Ali I Ismail                   | Assistant Prof | Saudi Arabia | Effect of the Medium Electrolyte on the Adsorption Behavior on Graphene   |
| WEA336 | Waleed Mohammed Al-Shawafi     | Ph.D. Student  | Saudi Arabia | Retention Profile and Characteristics of Chromium (VI) Sorption from Aqueous Solution onto Raw Date Pits Powder   |
| WEA337 | Eid Ibrahim Brima              | Assistant Prof | Saudi Arabia | Biomass Materials Used for Removal of Five Elements from Drinking Water   |
| WEA338 | Ranyah Mohammed Bashami        | Ph.D. Student  | Saudi Arabia | Electrochemical Sensing of Trichloroacetic Acid Based on Silver Nanoparticles Modified Glassy Carbon Electrode  |
| WEA339 | Muhammad Tahir Soomro          | Assistant Prof | Saudi Arabia | Zinc Oxide Coated Magnetic Nanoparticles Supported Carbon Paste Electrode for Voltammetric Determination of Loperamide Hydrochloride  |

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|--------|----------------------------|----------------|--------------|--|
| WEA340 | Muhammad Tahir Soomro      | Assistant Prof | Saudi Arabia | Electroanalysis of Chlorite at Cerium Oxide Modified Carbon Paste Electrode  |
| WEA341 | Abdul Hameed Hameed        | Associate Prof | Saudi Arabia | Synthesis of Ni <sub>2</sub> O <sub>3</sub> Modified Bi <sub>2</sub> O <sub>3</sub> for The Photocatalytic Removal of 4-Nitrophenol in Natural Sunlight Exposure |
| WEA342 | Mohammad Aslam Inayatullah | Assistant Prof | Saudi Arabia | Synthesis, Characterization and Photocatalytic Performance of FeBiO <sub>3</sub> in Natural Sunlight Exposure  |
| WEA343 | Mohammad Aslam Inayatullah | Assistant Prof | Saudi Arabia | Synthesis, Characterization and Photocatalytic Performance of CeBiO <sub>3</sub> In Natural Sunlight Exposure  |
| WEA344 | Muhammad Waqas Khan        | Ph.D. Student  | Saudi Arabia | Design and Application of In-Vessel Thermophillic Compost Reactor in Saudi Arabia for Aerobic Bioconversion of Organic Waste                                     |
| WEA345 | Muhammad Waqas Khan        | Ph.D. Student  | Saudi Arabia | Processing Saudi Arabian's Food Waste into Energy and Valuable Materials   |
| WEA346 | Djamel Kalaidji            | Professor      | Algeria      | Water Quality in The Harbour City in Algerian Western Area   |
| WEA347 | Ayman Abou El Fetouh Gouda | Associate Prof | Saudi Arabia | Impregnated Multiwalled Carbon Nanotubes as Efficient Sorbent for The Solid Phase Extraction of Trace Amounts of Heavy Metal ions in Food and Water Samples      |
| WEA348 | Sara Ibrahim Al-Zahrani    | Master Student | Saudi Arabia | Radiochemical Procedures in Studying Radiotoxicity of Environmental Samples  |
| WEA349 | Mohamed Hassan El-Newehy   | Associate Prof | Saudi Arabia | Microwave Assisted Synthesis and Metal Complexes of Some Copolymers Based on Itaconic Acid   |
| WEA350 | Hatem Abdelmoniem Ahmed    | Assistant Prof | Saudi Arabia | Detection of Zinc Phosphide and Determination of Some Heavy Metals in Biological Samples: Case Report  |

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|--------|---------------------------|----------------|--------------|---|
| WEA351 | Ahmed Hessen Rajab        | Lecturer       | Saudi Arabia | Sorption of Aluminum from Aqueous Solution using Fine Powdered Limestone  |
| WEA352 | Elham Salem Baeissa       | Associate Prof | Saudi Arabia | Photocatalytic Removal of Cyanide by Cobalt Metal Doped on TiO <sub>2</sub> -SiO <sub>2</sub> Nanoparticles by Photo-Assisted Deposition and Impregnation Methods |
| WEA353 | Nouf Faisal El-Harby      | Assistant Prof | Saudi Arabia | Equilibrium, Kinetic and Thermodynamic Studies on Congo Red Dye Adsorption from Aqueous Solution by Terephthaloyl Thiourea Cross-Linked Chitosan Hydrogels        |
| WEA354 | Salhah Ali Asiri          | Lecturer       | Saudi Arabia | Identification of Different Sources of Polycyclic Aromatic Hydrocarbons in Soil of Abha, Aseer, Saudi Arabia  |
| WEA355 | Asma Ali Ateif            | Master Student | Saudi Arabia | Photocatalytic Efficiency of Rare Earth Metal Oxides Doped Zinc Oxide Photocatalyst   |
| WEA356 | Reda Mohamed El-Shishtawy | Professor      | Saudi Arabia | Removal of Toxic Dyestuffs from Aqueous Solution by Amphoteric Bio-adsorbent  |
| WEA357 | Fayaz Ali Habib Ullah     | Ph.D. Student  | Saudi Arabia | Efficient Removal of Carbamazepine from Aqueous Solution using Advanced Oxidation Technologies  |
| WEA358 | Ijaz Ahmad                | Ph.D. Student  | Saudi Arabia | Physicochemical Characteristics of Automobile Washing Effluents   |



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