***CURRICULUM VITAE***

1. **Personal information and Contact data**

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| **Name** | **Dr. El-Sayed Rashad Hassan El-Gharkawy.** | | |
| **College** | **Arts and Science** | **ID number** | **2199639333** |
| **Department** | **Chemistry** | **Marital status** | **Married** |
| **Major** | **Physical Chemistry** | **Email** | **sayedrashad@yahoo.com** |
| **Nationality** | **Egyptian** | **University email** | **erelgharkawy@nu.edu.sa** |
| **Date of birth** | **22-10-1968** | **Mobile** | **0508571918** |
| **Place of birth** | **Egypt- Mansoura** | **Facebook** |  |
| **Address** | **Najran University, College of Arts & Science, Chemistry Department, Najran.** | **Twitter** |  |

1. **Qualifications**

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| **Degree** | **Major** | **University** | **Country** | **Date of graduation** |
| **Ph. D.** | **Physical Chemistry** | **Mansoura University with**  **Johns Hopkins University** | **(Egypt)**  **(USA)** | **1999** |
| **M.S.** | **Physical Chemistry** | **Mansoura University** | **(Egypt)** | **1993** |
| **B.S.** | **Chemistry** | **Mansoura University** | **(Egypt)** | **1990** |

1. **Teaching experience**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Duration** | **Rank** | **Department/ college** | **University** | **Country** |
| **1990 − 1993** | **Demonstrator** | **Chemistry/Science** | **Mansoura University** | **(Egypt)** |
| **1994 – 1998** | **Teaching Assistant** | **Chemistry/Science** | **Mansoura University** | **(Egypt)** |
| **1999 − present** | **Lecturer of Physical Chemistry** | **Chemistry/Science** | **Mansoura University** | **(Egypt)** |
| **1996 − 1997** | **Training Fellowship** | **Neurology/ Kennedy Krieger Institute School of Medicine** | **Johns Hopkins** | **(USA)** |
| **1997 − 1998** | **Visiting Research Fellowship** | **Institute for Biophysical Research on Macromolecular Assemblies (IBRMA) in the Biophysics Department** | **Johns Hopkins University** | **(USA)** |
| **1998 − 1999** | **Visiting Scholar Fellowship** | **Center for Advanced Research in Biotechnology (CARB)** | **University of Maryland** | **(USA)** |
| **1998 − 2003** | **Visiting Research Fellowship** | **National Institute of Standard and Technology (NIST)** | **National Institute of Standard and Technology (NIST), Maryland** | **(USA)** |
| **1999 − 2003** | **Visiting Lecturer** | **Faculty of Pharmacy** | **October 6 University** | **(Egypt)** |
| **1999 − 2003** | **Visiting Lecturer** | **Faculty of Dentistry** | **October 6 University** | **(Egypt)** |
| **1999 − 2003** | **Visiting Lecturer** | **Faculty of Applied Medical Science** | **October 6 University** | **(Egypt)** |
| **2003 − 2010** | **Associated Professor** | **Chemistry/Arts and Science in Sharourah** | **Najran University** | **(KSA)** |
| **2010 – present** | **Coordinator of Chemistry Department** | **Chemistry/Arts and Science** | **Najran University** | **(KSA)** |

1. **Publications**

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| --- | --- | --- | --- |
| **No.** | **Title of the paper / book** | **Date of publication** | **Journal/publisher** |
| **1** | **Adsorption of NO Molecule on Oxygen Vacancy-Defected MgO Nanotubes: DFT Study** | ***2014*, Vol.120 No.3, 401-415.** | **European Journal of Scientific** |
| **2** | **A Simple Coupling Scheme between Hartree-Fock and Local Spin-Density Functional Theories** | ***1998*, 102, 3202.** | **J. Phys. Chem. A** |
| **3** | **Thermodynamics of Transfer Processes, 1. Solubility of Hydrophilic Solutes in Dioxane-Water Mixtures** | ***1995*, 126, 263.** | **Monatshefte für Chemie** |

1. **Committees**

|  |  |  |
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| **No.** | **Committee** | **Duration** |
| **1** | **Member of American Chemical Society (ACS)** | **1996 − present** |
| **2** | **Member of American Association for the Advancement of Science (AAAS)** | **1998 − 1999** |
| **3** | **Coordinator of Chemistry Department, college of Arts and Science, Najran University** | **2010 − present** |

1. **Sociological cooperation**

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| --- | --- | --- | --- |
| **No.** | **Name of cooperation** | **Institution involved** | **Duration** |
|  |  |  |  |
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1. **Courses taught**

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| --- | --- | --- |
| **No.** | **Course title** | **Degree (BA, MA)** |
| **1** | **General Chemistry (1) 101 Chem -4** | **BA** |
| **2** | **Physical Chemistry (1) 230 Chem-3** | **BA** |
| **3** | **Physical Chemistry (2) 231 Chem-2** | **BA** |
| **4** | **Quantum Chemistry 211 Chem-2** | **BA** |
| **5** | **Photo and Radiation Chemistry 333 Chem-2** | **BA** |
| **6** | **Principals of Kinetic Chemistry 331 Chem-3** | **BA** |
| **7** | **Spectroscopy 423 Chem-2** | **BA** |
| **8** | **Physical Chemistry (3) 332 Chem-2** | **BA** |

1. **Membership of scientific associations**

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| --- | --- |
| **No.** | **Name of the association** |
| **1** | **Member of American Chemical Society (ACS)** |
| **2** | **Member of American Association for the Advancement of Science (AAAS)** |
|  |  |

1. **Training courses attended**

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| --- | --- | --- | --- |
| **No.** | **Course title** | **Place of the course** | **Date** |
|  |  |  |  |

1. **Conferences, workshops, seminars**

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| --- | --- | --- | --- |
| **No.** | **Conference** | **Place of the course** | **Date** |
| **1** | **“Seventh Annual Retreat”** | **Institute for Biophysical Research on Macromolecular Assemblies (IBRMA) in the Biophysics Department, Johns Hopkins University, Maryland, USA.** | **9 − 10 June 1997** |
| **2** | **“Quantum Chemistry Symposium on Current Aspects of Open−Shell Calculations”** | **National Cancer Institute, Frederick Biomedical Supercomputer Center, Frederick, Maryland, USA.** | **17 June 1997** |

1. **Scientific contributions ( e.g., supervisor for thesis, reviewing articles)**

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| --- | --- | --- | --- |
| **No.** | **Title of thesis** | **Supervisor/examiner** | **Date** |
| **1** | **“The Molecular Orbital Theory.”** | **Supervisor (BA Essay)** | **1999** |
| **2** | **"Ion-Solvent Interactions of Hypochlorite, Iodate and Periodate Salts used in Chemical Decontamination with some Crown Ethers and Oximes Synthesized in Microwave Ovens in Mixed Solvents."** | **Supervisor (MA)** | **2000** |
| **3** | **“Concepts of Density Functional Theory.”** | **Supervisor (BA Essay)** | **2000** |
| **4** | **“Density Functional Calculations of Heats of Reaction.”** | **Supervisor (BA Essay)** | **2000** |
| **5** | **" Kinetic Studies on Complex Formations of Some Transition Elements."** | **Supervisor (MA)** | **2001** |