** Republic of Iraq**

**Ministry of Higher Education and Scientific Research**

**Northern Technical University**

**Technical Engineering College / Mosul**

**Cuculuim Vitae**

**Name: Ali N. Hamoodi Scientific Title: Lecturer**

**Certification: Ph. D. in Electric Engineering Specialization: High Voltage**

**Donor Side: Syria – Aleppo Date of Obtaining on Scientific Title: 2013**

**First Date of Appointment: 17 – 9 – 2000 First Date of Appointment in the Foundation: 24-9-2000**

**Department: Power Engineering E-Mail: alihivoltage@yahoo.com**

**Date of Birth: 15 – 6 – 1974 Gender: Male**

**Mobile No.: 09647708792558**

**1- Scientific Degree:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Year** | **Article Name** | **Donor Side** | **Specialization** | **Certification** | **Seq.** |
| 1996 | Design an Electrical Transformer | Mosul University | Electrical Engineering  Power and Machine | BSc | 1 |
| 2000 | Stress Distribution in HV XLPE Cable After Polarity Reversal | Mosul University | Electrical Engineering  Power and Machine | MSc | 2 |
| 2011 | Using ANN and Fuzzy Logic Controller for Enhancing the Performance of HVDC System | Aleppo University | High Voltage | Ph. D | 3 |

**2- Scientific Title:**

|  |  |  |
| --- | --- | --- |
| **Graduation Year** | **Scientific Title** | **Sequencing** |
| 2000 | Assistant Lecturer | 1 |
| 2013 | Lecturer | 2 |

**3- Publication Articles:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Year** | **Publication Locality** | **Researcher Name** | **Article Name** | **Seq.** |
| 2018 | Journal of Engineering and Applied Sciences (JEAS). Scopus | Dr. Ali N. | Modeling of Electrical Characteristics of Photo Voltaic and Effecting of Cell Parameters on V-I Curve | 1 |
| 2018 | International Journal of Applied Engineering Research© Research India Publication. Scopus | Dr. Ali N. | Photovoltaic Modeling and Effecting of Temperature and Irradiation on I-V and P-V Characteristics | 2 |
| 2018 | International Journal of Applied Engineering Research© Research India Publication. Scopus | Dr. Ali N. | Power Factor Correction of AC to DC Converter Using Boost Chopper | 3 |
| 2018 | International Journal of Scientific and Engineering Research | Dr. Ali N. | Modeling and Analysis of 1 KW Wind Turbine Generator Using Matlab Simmlink | 4 |
| 2015 | International Journal of Enhanced Research in Scientific Technology and Engineering | Dr. Ali N. | Tow Quadrant Speed Control of Permanent Magnet DC Motor Using PLC | 5 |
| 2018 | International Journal of Advanced Engineering Management and Science | Dr. Ali N. | ANN Controller for Reducing the Total Harmonic Distortion (THD) in HVDC | 6 |
| 2008 | Al-Teqany Magazine | Dr. Ali N. | Blood Glucose Measurement by Computer | 7 |
| 2011 | University of King Sood | Dr. Ali N. | Enhancing the Step Response Curve for Rectifier Current of HVDC System Based ANN Controller | 8 |
| 2018 | International Journal of Engineering Research and Technology | Dr. Ali N. | Speed Control of DC Motor: A Case Between PI Controller and Fuzzy Logic Controller | 9 |
| 2018 |  | Dr. Ali N. | Photovoltaic-Battery System Tested Under Sun Irradiance | 10 |
| 2009 | University of Aleppo | Dr. Ali N. | Using Robust PID Controller Enhancing the Response of HVDC System | 11 |
| 2010 | University of Aleppo | Dr. Ali N. | Enhancing the Step Response of Rectifier Current for HVDC System Based Fuzzy Logic Controller | 12 |
| 2010 | University of Aleppo | Dr. Ali N. | Using ANN Controller for Enhancing the Transient Characteristics of Rectifia-Current for HVDC System | 13 |

**4- Scientific Conferences:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Year** | **Participating Title**  **(Articles & Work Shops)** | **Conference Title** | **Seq.** |
| 2010 | Application of Artificial Neural Network with HVDC System | Word Academy of Science, Engineering and Technology (Malaysia-Pening) | 1 |
| 2010 | Application of Fuzzy Logic Controller with HVDC System | Word Academy of Science, Engineering and Technology (France-Paris) | 2 |
| 2018 | Renewable Energy of Workshop | Wasit University Second International Conference (IEEE) | 3 |
| 2018 | Renewable Energy of Workshop | Technical Institute-Samawa Second International Conference (IEEE) | 4 |

**5- Graduation Researches:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Year** | **Project Type** | **Project Name** | **Seq.** |
| 2005 | Theoritical | Stress Distribution High Voltage XLPE Cable | 1 |
| 2007-2000 | Practical | A Set of Electrical Devices Control By Computer Interfusing | 2 |
| 2013-2012 | Practical | High Voltage Bench | 3 |
| 2013 | Practical | Microcontroller Electrical Board | 4 |
| 2017 | Practical | Wind Turbine Bench | 5 |
| 2013 | Practical | Solar Cell Fed A Stepper Motor of Small CNC Machine | 6 |

**6- Scientific Expertnesses and Skills:**

|  |  |
| --- | --- |
| **Scientific Expertnesses** | **Seq.** |
| Computer Interfacing | 1 |
| Microcontroller Application | 2 |
| PLC Application | 3 |
| Design H.V Bench | 4 |
| Renewable Energy Fields | 5 |
| Solar Energy Programs | 6 |
| SAM Programs | 7 |