**MUHAMMAD SAEED**

**Personal Information:**

**Father Name : Abdul Khaliq**

**Date of Birth : 28-04-1995**

**Religion : Islam**

**Nationality : Pakistani**

**Domicile : Sahiwal (Punjab)**

**Marital Status : Single**

**N.I.C : 36501-5316346-9**

**E-mail : rstsaeed677@gmail.com**

**Mailing Address:**

Quarter No.H-1 Police Line Sahiwal & QAU Islamabad.

**Contact:**

Cell # +92305-8150076 & +92333-6933947

**Ambitions:**

**Seeking a challenging position in a progressive organization with an aim to contribute positively toward its objectives to the best of my capabilities and to develop and improve my skills.to excel in dynamic and esteemed organization, where I can fully utilize my skills and services under a competitive and professional environment.**

**Qualification:**

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| --- | --- | --- | --- |
| **M.Sc. Chemistry (Specialization in Analytical/Inorg)** | **Quaid-e-Azam University Islamabad.** | A-Grade | 2016 to 2018 |
| **B.Sc. Chemistry** | **BZU Multan.** | 598/800 | 2013 to 2015 |
| **F.Sc.**  **(Pre-Engineering)** | **Superior College Sahiwal (Bise Sahiwal).** | 867/1100 | 2011 to 2013 |
| **Matriculation** | **Govt High School Sahiwal (Bise Multan).** | 813/1050 | 2009 to 2011 |

Scholarships:

* HEC Scholarship 02 year Free Education
  + (M.Sc. Chemistry Quaid-i-Azam University Islamabad).
* Talent Hunt Scholarship 02 year Fully Funded Education on merit based
  + (B.Sc. Superior College Sahiwal).
* Talent Hunt Scholarship 02 year Fully Funded Education on merit based
  + (F.Sc. Pre-Engineering Superior College Sahiwal).

Certificates and Awards:

* Certificate to attend the 3rd NATIONAL WORKSHOP ON GLOBAL CHEMIST CODE OF ETHICS, July2, 2018 at Department of Chemistry, Quaid-i-Azam University Islamabad.
* 3rd Position in Scientific Model in Environmental Chemistry (QAU).

**Work and Experience:**

**Apprenticeship:**

* Ammonia Plant P1 **Fauji Fertilizer Company** Goth Macchi Plant site Sadikabad Dist. Rahim Yar Khan (From 02-06-2015 to 26-10-2015).
* **Internship:**
* **Pakistan Centre of Scientific Industrial Research Karachi** at Applied Chemistry Research Centre of PCSIR under Supervision of Dr. Sofia, Work on HPLC, GC, Atomic Absorption, Chemical Analysis, some Daily use Products Analysis (From 01-08-2016 to 20-08-2016).
* **Internship:**
* **Arena Textiles Faisalabad Pakistan** work on Textile Chemistry

(From 1-07-2017 to 31-07-2017).

* **Trainee Chemist:**
* **Shaigan Pharmaceuticals Rawalpindi** (From 1-03-2018 to 15-04-2018).

**Teaching Experience:**

* S.M Convent School Sahiwal as a Chemistry Teacher (May-2013 to Nov-2013).
* Home Tutor as a Teacher of 9th, 10th, F.Sc, BSc Chemistry (June-2013to Present).
* Lecturer Chemistry at Zaawiya Institute Rawalpindi (Since April 2018 to date).

**Reports and Projects:**

1. Report on Lab Safety and Quality assurance at FFC Goth Machhi Plant.
2. Report on Chemical Analysis at Internship (PCSIR karachi).
3. Review report on Synthesis and Characterization of Metal-acac Complexes (QAU).
4. Review report on Synthesis and characterization of Schiff bases and its complexation with Tin (QAU).
5. Review report on Synthesis and characterization of Chromium complexes (QAU).
6. Project on Synthesis Structural, Electrical and Magnetic Studies of Ni-Ferrite Nanoparticles.

**Research Expertise:**

**Synthesis of different types of;**

1. **Metal Complexes**
2. **Clay based Catalysts**
3. **Nano Composites**
4. **Surfactants**
5. **Schiff Bases**

**And their application in Biodiesel Synthesis, water splitting (reduction and oxidation).**

**Handling and Interpretation of different Instruments like;**

1. **UV/VIS Spectrophotometer**
2. **FT-IR spectrometer**
3. **1H and 13C-NMR**
4. **XRD (Powder)**
5. **GC/MS and HPLC**
6. **SEM**
7. **EDX**
8. **Tension meter**
9. **Atomic Spectrophotometer**
10. **BET and STM**

**Publications:**

1. **“Synthesis and Chemical Characterization of Metals (Al, Cr, Co, Mn and VO) Complexes with Acetylacetone (β-diketone)”**
2. **“The Functional Dyes; Comparative study on the basis of Design, Development and Hi-Tech Applications; A Review. (Under Review)**
3. **Synthesis of Biodiesel by heterogeneous catalysis process. (Under Review)**

**Languages Proficiency:**

1. Urdu
2. English
3. Punjabi

**Interests:**

* 1. Book Reading
  2. Chemical Analysis
  3. Chemistry and Science fiction Books
  4. System : Windows 10/8.1/8/7/XP (Ubuntu)
  5. Internet , Networking
  6. M.S Word, Inpage Urdu
  7. Ability to work as Member of Team
  8. Managements Skills

**References:**

1. **Dr. Amir Waseem (Associate Professor, Directorate of Student Affairs, Provost, Department of Chemistry Quaid-i-Azam University Islamabad).**
2. **Dr. Ataf Ali Altaf (Assistant Professor, Department of Chemistry, UOG).**
3. **Ejaz Ahmed (Senior Chemist, Fauji Fertilizer Company, Goth Machhi Sadiqabad).**