

CURRICULUM VITAE

Ms. Farhat

NED University of Engineering & Technology.

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Father's Name: Muhammad Ikram

Date of Birth: July 12, 1991

Martial Status: Single

Education

- 2017 Pursuing **PhD (Chemistry)** in N.E.D. University of Engineering and Technology.
- 2016 **M.S. in Industrial Chemistry** from N.E.D. University of Engineering and Technology.
Secured **3.85** CGPA. (highest in class)
- 2012 **M.Sc.** from Department of Chemistry, University of Karachi, Pakistan.
Major: **Analytical Chemistry**.
Secured overall **76%** marks.
- 2011 **B.Sc.(Hons)** from Department of Chemistry, University of Karachi, Pakistan.
Secured overall **74%** marks.
- 2008 **HSC** from Govt. College for Women Shahrah-e-Liaquat, Karachi, Pakistan.
Secured overall **72%** marks.
- 2006 **SSC** from M.H. Gazdar Secondary School, Karachi, Pakistan.
Secured overall **78%** marks.

THESIS/PROJECT

M.Sc. Thesis

'Effects of storage on physico-chemical characteristics of some selected vegetable oils'. 2012. Supervisor: Dr. Zahida Kareem

M.S. Project (ISP)

'Synthesis of silver nanoparticles for the detection of antimicrobial agents in water'. 2016. Supervisor: Dr. Amtul Qayoom, Co-supervisor: Prof. Dr. Muhammad Raza Shah (T.I., Salam prize)

HONORS AND AWARDS

1. Secured **69** score (percentile score: **97.69**) in **"GAT-SUBJECT, 2017-III (Chemistry)"**, held on 6th august 2017.

2. Oral presentation entitled as, “**Synthesis and Molecular Recognition ability of Flavonoid Coated Silver Nanoparticles**” in “**11th International Symposium on Analytical and Environmental Chemistry (ISAEC-2016)**” on 7–8th March, 2016, organized by National Center of Excellence in Analytical Chemistry, University of Sindh, Jamshoro-76080, Pakistan.
3. Secured **65** score (percentile score: **96.16**) in “**GAT-GENERAL, 2017-III (Chemistry)**”, held in January 2014.

PROFESSIONAL EXPERIENCE

Lecturer

(November 2018 till Date)

Department of Chemistry
N.E.D. University of Engineering and Technology

Co-operative Teacher

(January 2016-October 2018)

Department of Chemistry
N.E.D. University of Engineering and Technology

Research Assistant

(January 2015-December 2015)

H.E.J Research Institute of Chemistry,
International Center for Chemical and Biological Sciences (ICCBS), University of Karachi.
Worked on research project entitled “Nanoparticle Synthesis, Characterization and Applications” under the supervision of **Prof. Dr. Muhammad Raza Shah (T.I., Salam prize)**.

Research Assistant

(January 2013 – December 2014)

H.E.J Research Institute of Chemistry,
International Center for Chemical and Biological Sciences (ICCBS), University of Karachi.
Worked on research project entitled “Synthesis of organic compounds and their derivatives” under the supervision of **Prof. Dr. Khalid M. Khan (S.I., T.I)**.

ADDITIONAL PROFESSIONAL EXPERIENCE

Coordinator of NAYS (National Academy of Young Scientist) since 2015.

PUBLICATIONS:

1. **Ikram F**, Qayoom A, Aslam Z, Shah MR (2018). Synthesis of Epicatechin Coated Silver Nanoparticles for the Selective Recognition of Lead (Pb²⁺) ions in Aqueous Media. (**accepted in *Journal of Molecular Liquids*, impact factor: 4.513**).
2. **Ikram F**, Qayoom A, Shah MR (2018). Synthesis of Epicatechin Coated Silver Nanoparticles for Selective Recognition of Gentamicin. *Sensors and Actuators B* 257 (2018) 897–905. (**impact factor: 5.667**).
3. **Ikram F**, Qayoom A, Ikram N, Shah MR (2017). Synergistic effect of epicatechin coated silver nanoparticles on antimicrobial activity of gentamicin against aspergillus niger. *Journal of New Technology and Materials*, volume 7 (2017) issue 2, pages 100-105.

4. Karim Z, **Ikram E**, Karim A, Khan KM (2016). Effect of Storage on Physicochemical Characteristics of Some Selected Vegetable Oils. *Pakistan Journal of Scientific and Industrial Research Series A: Physical Sciences* 59(3): 121-125.

ORAL/ POSTER PRESENTATIONS

1. Presented Poster in “**Research Project Exhibition**” on 27th September, 2017 in **N.E.D. University of Engineering and Technology**.
2. Oral presentation entitled as, “**Synthesis and Molecular Recognition ability of Flavonoid Coated Silver Nanoparticles**” in “**11th International Symposium on Analytical and Environmental Chemistry (ISAEC-2016)**” on 7–8th March, 2016, organized by National Center of Excellence in Analytical Chemistry, University of Sindh, Jamshoro-76080, Pakistan.

CONFERENCES/ SYMPOSIA ORGANIZED

1. Organized a workshop with **Sure Bio-Diagnostics** at International Center for Chemical and Biological Sciences (ICCBS), University of Karachi, entitled as “**Laboratory Safety and Security**” on 30th October, 2017.
2. Organized a workshop on “**Spectrophotometric Analysis of Biological Samples**” with National Training Research Laboratories-NAYS and Sure Bio-Diagnostics on September 16, 2017.
3. Organized a workshop on “**Biological Safety and Security**” with Sure Bio-Diagnostics and NAYS on August 4, 2017.
4. Organized “**World Science Day Competition**” with NAYS and Aligarh Institute of Technology on November 24, 2016.
5. Organized “**Biosafety Training Workshop for Young Scientists**” with Sure Bio-Diagnostics, Kiran hospital and NAYS on December 26, 2015.
6. Organized “**Biosafety Training Workshop for Young Scientists**” with NAYS on November 13, 2015.
7. Organized “**Young Researchers Skill Development**” seminar with SZABIST and NAYS on October 21, 2015.

CONFERENCES/ SYMPOSIA ATTENDED

1. Training Workshop on “**Comprehensive Elimination of Persistent Organic Pollutants (Pesticides) in Pakistan**” organized by **UNDP** and **Government of Pakistan** during 20-22nd September, 2017.
2. **Clinical Containment Training Program (8 Credit hours)**. Organized by Sean Kaufman. Behavioral-Based Improvement Solutions-USA. July 2017.
3. Seminar on “**Cancer Awareness**” organized by NAYS and Department of Biochemistry, University of Karachi, October 28, 2016.
4. Symposium on “**Bioanalytical and Bioequivalence Studies**” during August 18 and 19, 2015 organized by the Center for Bioequivalence Studies and Clinical Research (International Center for Chemical and Biological Sciences), University of Karachi, Pakistan.

5. Workshop entitled “**Scientific Writing**” during January 5-7, 2015 organized by the **Virtual Education Project Pakistan (VEPP)** and **L.E.J. National Science Information Center** (International Center for Chemical and Biological Sciences), University of Karachi, Pakistan.

REFERENCES

References would be furnished upon request.