**Nadia khan**

Department of Polymer & Petrochemical Engineering

NED University of Engineering & Technology University Road, Karachi-75270

nadiakhan@neduet.edu.pk

**PROFILE:**

* A quality oriented professional.
* Accomplished educator with demonstrated ability to teach, motivate and direct students while attaining high interest and achievement.
* Proficiency in handling the administrative activities entailing training/ seminars and upholding of institutions motto.
* Experience & skills in developing curriculum to accommodate different learning styles and maximizing student’s comprehension.
* Effective communicator with excellent planning, organizational and negotiation strengths as well as ability to lead, establish goals and attain results.

**ACADEMIC QUALIFICATION:**

* **Masters in Engineering (Chemical)** 2011-2013

*NED University of Engineering & Technology*

* **B.E Chemical Engineering** 2006-2010

*NED University of Engineering & Technology*

**Professional Experience:**

* **Assistant Professor, Department of Polymer & Petrochemical Engineering ( 2018-till present)**
* **Lecturer, Department of Polymer & Petrochemical Engineering (April 2011-2018)**

***Taught Course:***

* Process Equipment Design
* Separation processes
* Heat Transfer
* Chemical Reaction Engineering
* Fuel & combustion
* Thermodynamics II
* Fluid Mechanics
* Thermodynamics I
* Petroleum & Petrochemical products

***Administrative & other Responsibilities:***

* Performing responsibilities of ISO Coordinator and OBE Coordinator.
* Involve in curriculum design and SAR preparation.
* Conducted workshops on DCS System.
* Worked in bid evaluation committees
* Writing research proposals, papers and other publications
* Representing the institution at professional conferences and seminars, and contributing to these Organising conferences/events for technical and personality nourishment
* Completing Continuous Professional Development (CPD) and participating in staff training activities Establishing collaborative links with industrial, commercial and public organisations
* Organized different technical seminars and International Conferences for students.

**RESEARCH WORK:**

***Publications:***

* Khan, N., et al., *Selection of Appropriate Model for the Synthesis of Coal Water Slurry (CWS) Using PVA and TEA.* Iranian Journal of Chemistry and Chemical Engineering (IJCCE), 2019. **38**(2): p. 253-261.
* Khan, N., et al., *Reinforcement of lime ash particles in LDPE.* Journal of Basic & Applied Sciences, 2018. **14**: p. 119-123.
* Nadia khan, Asra Nafees , A hussain,: “Exploring the properties of recycled tire rubber for flexible asphalt pavement.” Journal of Basic and Applied sciences,2017, 13, 335-339.

***Conference Papers:***

**Author and Presenter;**

* **Title:** Simulation of Coal slurry burner using Fluent presented at; 1st International Conference Advanced Material and Process Engineering 2015.
* **Title:** Synthesis and Rheology of Coal water slurry presented at, 1st International Conference Advanced Material and Process Engineering 2015.

**PROFESSIONAL DEVELOPMENT**

 Attended following workshops and seminars.

* Workshop on “Social impact”
* Workshop on “Standing up for Science”
* Workshop on “Structuring your article correctly”
* Workshop on “How to turn your thesis into an article”
* Two day workshop on “Promoting Research Excellence in Academics across Pakistan”
* Workshop on “Writing a persuasive cover letter for your manuscript”
* Workshop on “Technical writing skills”.
* Workshop on “ Proquest Dissertations and thesis.”
* Workshop on “ Journal publishing cycle”
* Training on “ IEEE, new resources for your technical research.
* Workshop on” Leadership and Engineering”.
* Workshop on “Entrepreneurship, engine that runs the economy”
* Workshop on “How to build empathy in research”.
* Workshop on “Accelerate your research using Elsevier’s Scopus”.
* Training on” OBE System and Academic quality Assurance”.
* Training on “ISO 9001-2015 Quality management system, Lead Auditor”.
* Workshop on “Findings from Mass Spectroscopic data and How to analyze the mass spectra”, LEJ campus Karachi University.
* 5 days Training on “IRCA Lead Assessor Course ISO 9001-2015”, NEDUET, Karachi.
* QEC Training “Quality Management system” NEDUET, Karachi.
* Training on “Importance of Feed Back”, NEDUET, Karachi.
* 3 days’ workshop on “Quality Management Control & Assurance”, NEDUET, Karachi.
* 3 days’ workshop on “Effective Presentation & Communication skills”, NEDUET, Karachi.
* 3 days’ Workshop on “Alternate Energy Techniques”.

***Workshop Organized:***

* Conducted 5 days’ workshop on “DCS Operation of Atmospheric distillation Unit”.
* Conducted 5 days’ Workshop on “DCS Operation of Steam Generation Unit”.

**INTERPERSONAL SKILLS AND CAPABILITIES**

* Strong problem solving skills and exceptionally fast learner.
* Excellent written and oral communication skills.
* Computer proficiency.
* Presentation skills
* Admirable team player

**COMPUTER SKILLS:**

* MS Office
* Visio
* Aspen HYSYS
* Aspen Plus
* Aspen Catcracker
* Aspen Energy Analyzer
* Aspen Adsorption
* Ansys Fluent

**LINGUISTIC SKILLS:**

* English (Fluent in Speaking, Writing, Reading & Listening)
* Urdu (Fluent in Speaking, Writing, Reading & Listening)

**EXTRA CURRICULAR ACTIVITIES:**

* Books Reading, writing, travelling, Internet Browsing

**PERSONAL INFORMATION:**

Father’s Name : Sabir Hussain Khan

Date of Birth : 09-01-1988

Nationality : Pakistani

Religion : Islam

N.I.C No. : 42101-4674599-2

Domicile : Karachi

**REFRENCES:**

***Reference will be furnished if required.***