

# C.V.

- Dr. Noman Qaid A. Al-Naggar
- University of Science & Technology ,Sana'a –Yemen
- Yemeni
- Married with 5Children
- Date of birth 8-5-1978
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## - Web site :

<https://scholar.google.com/citations?hl=en&user=td14oywAAAAJ>

- Bio-technical & medical apparatus and systems (Design)
- Bio signal analysis (lung sounds)
- Modeling

## Education

- Full professor in Biomedical engineering, 19/4/2020, at University of Science & Technology ,Sana'a –Yemen.
- Associate professor in Biomedical engineering, 24/6/2014, at University of Science & Technology ,Sana'a –Yemen.
- Ph.D. The common specialty “Bio-technical & medical apparatus and systems “ - 2004-2007, University – Saint-Petersburg- Russia .
  - The topic was “Models, Algorithms. and Technical Facilities for Studying & Analysis Lung Sounds (LS) ”
  - Graduated date – 31-11-2007.

## Qualification Deplumes

- Deplume of High Qualification Diploma, Professional Development", - Sanaa -2009-2010– it was addressed for faculty members with following courses :
  - Educational and Information Technology,- Measurement and Evaluation in higher education, - Nature of learning at the university level, - Effective Modalities of university teaching, - Development of curriculum and assessment, -
- Diploma in English from YALI & Toefl PBT
- Russian - fluency in written and oral, 25/1/2003 Tver State Technical University, Russia.

## Scientific experiences

- Teach many courses of BME (2008 to current time)
  - Bioinstrumentation (bioelectricity, biomedical sensors,...), Biomedical analysis, Bio instrument III (medical imaging devices), Clinical engineering & management medical equipment, Medical networks, Introduction to BME

- Supervisor of graduated projects, master thesis, PhD
- Member of Asia-Pacific Chemical, Biological & Environmental Engineering Society (APCBEES N 200692).
- Deputy Editor in Chief of the Arab Journal for Quality Assurance in Higher Education (AJQAHE) (2018-2020) Issued by the University of Science and Technology (Yemen) in cooperation with the General Secretariat of The Association of Arab Universities.
- Reviewer for some journals (AJQAH, Jbise,.....)
- Consultant of Social fund in BME Field,
- Consultant on CRDF project for management medical equipment at NCPL.

### **Academic experiences**

- Tech. & Professional Reviewer and Participator in preparing PSD (program specification document) for many programs.
- Worked on preparing Self -study reports for accreditation (Yemeni council standards),
- Author for Evolution iLO, SLO system (handbook guide).
- Knowledge in ABET (the **Accreditation Board** for Engineering and Technology) standards.
- Trainer for
  - Preparing PSD and courses
  - Evolution iLO, SLO,
  - Self -study reports.
  - Development of faculty Vision, Mission and Objectives

### **Management experiences**

- Assistant Rector for Academic Affairs, University of Science and Technology (UST)
- Manager of Quality Assurance and Accreditation at UST .
- Vice Dean of Faculty of Engineering (2013-2014).
- Head of BME Department - (2010-2012) – University of Science and Technology (UST) – Sana'a-Yemen.
- Responsible of BME program at Electronic Engineering department in UST (2008-2010),
- Head of many scientific, Academic, Strategic and management committees
- Member in many committees

### **Patent**

- Equipment for recording & analysis Lung sounds (LS) - RU Patent No. 2007113453, April 10 – 2007.

### **Qualification courses & training (in Field, Science, Academics,.....)**

- Training courses in SIEMENS lab. Devices "ADVIA CBC 2120i, Centaure CP & XP- Field Service & Maintenance" at NCPL, Sana'a- Yemen, from 27 May to 10 June 2015.
- Advanced medical equipment - Beda Precision- Imtac Yemen Ltd, Sana'a, From 5-17 /1/2013 .
- Calibration and quality assurance of medical equipments (Fluke)- 2010- UAE, for a period of 40 hours

- Basics on biomedical electronic, software and instrumentation at Elettronicaveneta company home – Italia- from 1 to 5/9/2008, for a period of 40 hours.
- Statistical analysis of scientific research used SPSS- Teaching and learning Center at University of science and Technology (UST), Sana'a -Yemen , from 7 to 18/6/2008.
- Signal processing in Matlab, at Tver State Technical University – Tver- Russia, from 2/5/2007 to 30/5/2007 for a period of 40 hours.
- **Others qualification courses & training**
  - The modern and sophisticated strategies for leadership,
  - Participate in training program “Prepare reports on academic performance.
  - Participate in training program “Assessment of graduated project”
  - Participate in training program” Preparing course portfolio-
  - Document preparation of self-evaluation for academic program
  - Description of courses and programs in the University,
  - Preparation Program Specification Document -PSD,
  - Participate in training program “Assessment of graduated project”
  - Many workshops in accreditation program during 2020 to current time.
  - Others.....

### **Scientific publications**

- **First publications during studying PhD**

1. **Patent** Equipment for recording & analysis Lung sounds (LS) - RU Patent No. 2007113453, April 10 – 2007.
2. -Al-Naggar, N.Q., Filatov N.N. -Recorder and analysis of respiratory sounds //Utility model - Registration number 2007113453 - Incoming number 014 605, Federal Institute of Industrial Property, M, 2007, P.14-18.
3. Al-Naggar, N.Q., Filatov N.N., Valdez A.R.- Automated decision support diagnostic decisions in the study of the respiratory system. // Proceedings of the STC Information management and technology in medicine. Penza, PGTA, 2007.
4. Al-Naggar, N.Q., Filatov N.N . Computer technology in the study and diagnosis of pathologies of the respiratory // Software products and systems. N1, 2007. p.42-44.
5. Al-Naggar, N.Q., Filatov N.N .The problem of recognizing abnormalities by basic digital analysis of acoustic signals. // Proceedings, Computer technology in management, medicine, education, TSTU, Tver, 2006, p.97-100.
6. Al-Naggar, N.Q., Filatov N.N. Question on registration of bronchopulmonary noise// Proceedings Computer technology in management, medicine, education, TSTU, Tver, 2006, p.101-104.
7. Al-Naggar N. Q. Computer analysis of respiratory noise. // Proceedings of the All-Russian STC "Biotechnical, medical and ecological systems and complexes, Biomedsitemy-2006", Ryazan, RGRTU, 2006.

- **Second publications during working in UST**

1. Al-Naggar, N.Q.” Studying the common faults in diagnostic bio-equipments” *JEC –UST*, 2010
2. Al-Naggar, N.Q “Development of computerized recording channel of lung sounds ” *Journal of Medical and Bioengineering (JOMB)* -N 1 ISSN: 2301-3796, 2012

3. Participate in conference ICEBB – Dubai 2012
4. Noman Qaid Al-Naggar “A new method of lung sounds filtering using modulated least mean square—Adaptive noise cancellation ” , *J. Biomedical Science and Engineering, JBiSE*,V.6 2013, 869-876 - <http://dx.doi.org/10.4236/jbise.2013.69106>
5. Fadhil Al-Akwaa, Al-Naggar, N.Q " K12. A New Software to Construct Gene Regulatory Networks From Microarrays Data" *IEEE -Radio Science Conference (NRSC), 2013 30<sup>th</sup> National* , 581-588
6. Fadhil Al-Akwaa, Al-Naggar, N.Q & Mahmod Alrumima "Research science in Yemen, Ambition & reality,الواقع والطموح, البحث العلمي في اليمن: الواقع والطموح" <http://www.science-press.net/point-de-vu/136>
7. Noman Qaid Al-Naggar “The obstacles of applying the total educational quality standards at the University of Science and Technology of Yemen " *المجلة العلمية لضمان جودة التعليم الجامعي* "Sana'a Yemen ,2014.
8. Fadhil M. Al-Akwaa, Husam Elhetari, Noman Al Naggar and Mahmoud A. Al-Rumaima "Comparison of the 3D Protein Structure Prediction Algorithms”, *Int. Journal of Engineering Research and Applications-.ijera* ISSN : 2248-9622, Vol. 4, Issue 2( Version 1), February 2014, pp.462-467.
9. Noman Q. Al-Naggar, Hamdi H. Ghazi “Design Two- channel Instrument to Record Lung and Heart Sounds at the Same Time, and Separate Them Using ANC-NLMS Algorithm", *IJAREEIE* , Vol. 4, Issue 4, April 2015, 10.15662/ijareeie.2015.0404108

- **Third – trends & interests in future research**

- Separate LS & heart sounds – filtering,
- Analysis of bio-signals (Lung sounds),
- Biomedical engineering in Yemenis hospitals,
- Develop bio monitoring system of old infant incubators used web-server.
- Develop ventilator performance using math. Model monitoring.
- Determined medical needs program, based on beds number.
- ECG monitoring , based on smartphone

### **11- Skills and abilities**

- Willingness & ability to live work in groups
- Good social and communication skills with colleagues
- Quick adaptation to new challenges
- Organization, initiative , tidiness and courtesy
- Ability to prioritize activities in case of overwhelming workload
- Ability to be flexible to adapt to change working conditions , organized & capable to take initiative.

### **12- Software Knowledge**

- Good knowledge of Microsoft Office,
- Matlab ,Adobe Audition ,
- labview and others test program.
- Software of same medical and device programs

### **13- Languages**

- Arabic.- Mother tongue

- English - writing and oral
- Diploma in English from YALI & Toefl PBT
- Russian - fluency in written and oral,
  - Certificate of applied Russian language in business documents & scientific literature-25/1/2003 Tver State Technical University – Tver- Russia

#### **14- Personality hobbies**

- Self development in my major & languages,
- Improvement computer & network skills
- Development of management ability