Yousif A. Algabri

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A doctoral researcher in Biomedical Engineering (Bioinformatics), with a demonstrated history of research and work related medical engineering, cardiovascular engineering and biomechanics. Certified Electronic Engineer under Board of Engineers Malaysia. I am passionate about sustainable healthcare, medical technologies, health data analysis. You can find me an enthusiastic, curious and quick learner with demonstrated skills.

Research Interests

Biomedical Engineering, Bioinformatics Biomechanics, Cardiovascular Engineering, CFD, Medical/ Digital Image Reconstruction.

Education

PhD. In Biomedical/ Bioinformatics Engineering (Pursuing)

Shandong University, SDU – China Sept/2019- present

M.Sc. in Biomedical Engineering

Study mode: Research Mode

Prince of Songkla University, PSU – Thailand Aug/2016 – Dec/2018

B.Sc.Honors in Biomedical Electronic Engineering

Universiti Malaysia Perlis, UniMAP – Malaysia Sep/2011 – July/ 2015

Research & Work Experiences

Graduate Research Scholar 2016 - 2019

Institute of Biomedical Engineering, Faculty of Medicine, PSU

Research areas: Cardiovascular engineering; Biomechanics; Fluid dynamic; CFD;

Thesis title" Computational fluid dynamics (CFD) modelling and simulation for Angular Neck of Abdominal Aortic Aneurysm (AAA)"

Research Assistant 2015 - 2016

Ambience, UniMAP, Malaysia

Research areas: Biosensors; piezoelectric; diabetic foot

Final Year Project, B.Eng degree 2014 - 2015

Project Title: "Determination Of Mechanical Properties For Cancellous Bone Based On Image Greyscale Value"

Internship Experience

Natco Alrazi.Co.Ltd – Yemen 2014

Areas: R&D; Engineer assistant; On-site maintenance; and duty reports

Extra Professional Courses

Diplomas in:

- Project Management
- Web design
- 3D printer usage

Courses in:

- Completed course in "**Forensic Facial Reconstruction**: Finding Mr.X", March 2017, Department of Biomedical Science, **The University of Sheffield**, Uk.
- MS office Operation system
- C & Assembly programming
- MATLAB "Neural Network"

Ongoing Online Courses (pursuing)

- Introduction to Engineering Mechanics
- Fundamentals of Fluid-Solid Interactions
- Diploma in Marketing Management
- Diploma in Six Sigma
- Thermodynamics for Science and Engineering
- Introduction to Engineering Mechanics

Honors & Awards

- Ministry of Higher Education Scholarship of Yemen to pursue PhD, China 2019-2023
- Chinese Scholarship Council (**CSC**) for PhD degree, SDU, China 2019-2023
- **TEH-AC** scholarship, to pursue a MSc. Degree – PSU, Thailand 2016 -2018
- Graduate School **dissertation funding** for thesis, PSU, Thailand 2017

- **Ministry of higher education scholarship award-** to pursue B.Sc, Malaysia 2011
- **Best Conference Paper award**, CFDRI 2017, UTHM-PSU, Thailand 2017
- **1st runner up award** for best presentation, 4th Joint Symposium, BMS-BME-EU, PSU, Thailand 2017
- **Best Team Leader award**, PELTAC15, UTM, Malaysia 2015
- American Certificate award 'Training of Trainers" 2013
- Educational trip award to Switzerland from UniMAP 2014

Workshops & Seminars

- Ambassador of Yemen at Prince of Songkla University, Thailand. 1/2017- 12/2018
- Special seminar "My Journey to Stockholm" by Nobel laureate Prof. Stoddart, 9/2/2018
- Workshop "Literature search and review" by Assoc Prof. Teerapol
- Workshop "Writing paper and Get published" PSU, 31/Oct/2017.
- Thailand 4.0 seminar at conference hall, faculty of medicine on 28/Sept/2017
- PSU IAO, 10th Japan Education Fair, 19/01/2017
- Publish and flourish workshop, PSU, 20/July/2017
- Turnitin workshop "**Avoid Plagiarism**" organized by graduate school, 15/12/2016.
- Seminar "**Searching for novel drug targets for the Thai's prevalent cancer**", 2/2017.

Conferences presentations

1. 1st PSU-UNS Joint Conference on Medical Science and Technology 2018 (**JCMST 2018**), 5th- 7th March 2018, krabi, Thailand.
2. A **keynote speaker** at 2nd International Conference on Computational Fluid Dynamics in Research and Industry 2017 (**CFDRI 2017**), 3rd- 4th aug 2017, Songkhla, Thailand.
3. 2nd International Conference on Computational Fluid Dynamics in Research and Industry 2017 (**CFDRI 2017**), 3rd- 4th aug 2017, Songkhla, Thailand.
4. The 4th Joint Symposium BMS-BME-EU, **Post-graduate Health Science and Technology Conference**, 25th- 26th May 2017, Faculty of Medicine, Prince of Songkla University
5. International Conference on Power, Energy and Communication Systems(**ICPECS 2015**), 24th-25th Aug 2015, Perlis, Malaysia.
6. International Conference *on* World of UAV *(*Unmanned Aerial Vehicles) (**WoUCON 2015**), 17th – 19th March 2015, Langkawi, Malaysia.

Publications

1. **Yousif A. Algabri**, Omar Altwijri and Surapong Chatpun. Visualization of Blood Flow in AAA Patient-Specific Geometry: 3-D Reconstruction and Simulation Procedures. BioNanoScience (2019) DOI: 10.1007/s12668-019-00662-8***. (ISI)***
2. **Yousif A. Algabri**, Sorracha Rookkapan, Vera Gramigna, Daniel M. Espino, and Surapong Chatpun. Computational study on hemodynamic changes in patient-specific proximal neck angulation of abdominal aortic aneurysm with time-varying velocity. Australas Phys Eng Sci Med. Vol. 42, No.1, 181–90. DOI: 10.1007/s13246-019-00728-7. ***(ISI)***
3. **Yousif A. Algabri**, Ishkrizat Taib, and Surapong Chatpun. An investigation of pulsatile blood flow in an angulated neck of abdominal aortic aneurysm using computational fluid dynamics. J. Adv. Res. Fluid Mech. Therm. Sci. J. homepage. Vol. 57, No. 2, 2019, 265-274 ***(Scopus)***
4. **Yousif A. Algabri**, S. Rookkapan, and S. Chatpun.Three-dimensional finite volume modelling of blood flow in simulated angular neck abdominal aortic aneurysm. IOP Conf. Ser. Mater. Sci. Eng., Vol. 243, No. 1, 2017. ***(Scopus)***
5. **Yousif A. Algabri**, and K. S. Basaruddin. Determination of Effective Elastic Properties of Vertebral Cancellous Bone Based on Image Grey Scale Value. Int. Conf. Power, Energy Commun. Syst. (IPECS 2015), 2015. ***(Scopus)***

Language skills

Arabic Language:	Native
English Language:	Fluent (IELTS, 6.5, 2018)
Malay language:	Intermediate
Thai language:	Basic

Professional Skills

Having a very strong skill using Mimics software (Materialise, Leuven, Belgium).
Having an excellent knowledge and practical experience of ANSYS software (ANSYS Inc., USA).

Leadership

- President of Yemeni Students' Union in China feb/2021 -present
- PSU-ISA country representative of Yemen Jan/2017 – Dec/2018
- Student Representative Council (SRC) member, UniMAP 2013-2014
- Led a team in "KELANTAN" flood aid mission 2015

- President of Yemeni Student Union, UniMAP 2011-2013

Extracurricular Activities

- A collaboration visit to UTHM-UTM, Malaysia 22-26/1/2018
- A visiting student researcher to UTHM, Malaysia 13-17/11/2017
- Participated in graduate school funding seminar, PSU 12/10/2017
- Awarded an educational trip to Switzerland from, UniMAP 10/2014

Potential Referees

Upon Request