



# DR. NOOR ALI RASHED AL-KHATHLAN

ASSOCIATE PROFESSOR and CONSULTANT OF RESPIRATORY CARE AND PEDIATRIC PULMONARY FUNCTION TESTING

## Personal Data

Nationality | SAUDI

Department | RESPIRATORY CARE

Official IAU Email | NAALKHATHLAN@IAU.EDU.SA

Office Phone No. | 013-3331314

## Language Proficiency

Language	Read	Write	Speak
Arabic	✓	✓	✓
English	✓	✓	✓
Others			

## Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
20 June 2023	Fellowship in Academic Leadership	Imam Bin Abdulrahman Bin Faisal University	KSA
20 Oct 2020	Fellowship (FHEA) in teaching and learning support in higher education	UK Professional Standards Framework (Advance HE)	UK
16 July 2015	PHD in Pediatric Pulmonary Function Testing	UNIVERSITY OF LEICESTER	UK
25 MAY 2010	MSC in Health Care Sciences	CARDIFF UNIVERSITY	UK
29 Sep 2008	Diploma in general and academic English Language	BIRMINGHAM UNIVERSITY	UK
31 AUGUST 2005	BSC in Respiratory Therapy	KING FAISAL UNIVERSITY-DAMMAM	KSA



### PhD, Master or Fellowship Research Title: (Academic Honors or Distinctions)

<b>Academic Leadership Fellowship</b>	Development of a platform for Research and innovation
<b>FHEA Fellowship</b>	The impact of early versus late clinical exposure on Respiratory Care (RC) students' clinical learning skills at Imam Abdulrahman bin Faisal University (IAU)
<b>PhD</b>	THE INVOLVEMENT OF THE LUNG PERIPHERY IN CYSTIC FIBROSIS: AN EXPOLARATION USING MULTIPLE-BREATH NITROGEN WASHOUT AND HELIUM-3 DIFFUSION MAGNATIC RESONANCE
<b>Master</b>	A COMPARATIVE STUDY OF FVC, FEV <sub>1</sub> , AND TLC IN NON-SMOKING SAUDI STUDENTS AT EASTERN PROVINCE, SAUDI ARABIA WITH CAUCASIAN REFERENCE VALUES
<b>Fellowship</b>	TEACHING AND LEARNING SUPPORT IN HIGHER EDUCATION

### Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work			Date
Chair of the Advisory Committee for Respiratory Care Program in Saudi Universities	Ministry of Education	Riyadh	-	April, 2022
Respiratory Therapy Consultant	KING FAHAD HOSPITAL OF THE UNIVERSITY	Khobar	Khobar, 31952	January, 2020
Respiratory Therapy Senior Specialist				August, 2016
ASSOCIATE PROFESSOR	IMAM ABDULRAHMAN BIN FAISAL UNIVERSITY	Dammam	2835 King Faisal Road, Dammam, 34212	SEPTEMBER, 2024
ASSISTANT PROFESSOR				JANUARY 2016
LECTURER				May 2010
DEMONSTRATOR				FEBRURARY 2006

### Administrative Positions Held: (Beginning with the most recent)

Administrative Position	Office	Date
Vice Dean of Development and Community Partnership	COLLEGE OF APPLIED MEDICAL SCIENCES, IMAM ABDULRAHMAN BIN FAISAL UNIVERSITY	October 2022
CHAIRMAN OF RESPIRATORY CARE DEPARTMENT	RESPIRATORY CARE DEPARTMENT, IMAM ABDULRAHMAN BIN FAISAL UNIVERSITY	MAY 2018
THE VICE CHAIRMEN OF THE NCAAA-RC STEERING COMMITTEE		November 2017
ACTING CHARMAN OF RESPIRATORY CARE DEPARTMENT		OCTOBER 2017
DIRECTOR OF CLINICAL EDUCATION		NOVEMBER 2015



HEAD OF PULMONARY FUNCTION LABORATORIES	KING FAHAD UNIVERSITY HOSPITAL	NOVEMBER 2015
---	--------------------------------	---------------

## Scientific Achievements

### Published Refereed Scientific Research

(In Chronological Order Beginning with the Most Recent)

#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
1	Noor Al Khathlan	Association of inflammatory cytokines with obesity and pulmonary function testing	PLOS ONE 2023: 18(11): e0294592
2	Prakasini Satapathy, Bijaya K Padhi, <b>Noor Al Khathlan</b>	Artificial intelligence in respiratory therapy: Opportunities and ethical challenges	Respiratory Medicine 2023:217,107342
3	<b>Noor Al Khathlan</b> , Meaad Basuwaidan, Sarah Al Yami, Fatimah Al-Saif, Salam Al-Fareed and Khalid Ansari	Extent of exposure to scented candles and prevalence of respiratory and non-respiratory symptoms amongst young university students	BMC Public Health (2023) 23:80
4	<b>Noor Al Khathlan</b>	Chapter 6 spirometry as a Diagnostic Tool in COPD	Nova Science Publishers, Inc. Nov 2022
5	Jaber S Alqahtani, Mohammed D AlAhmari, Hajed M Al-Otaibi, Saad M. AlRabeeah, Noor A Al Khathlan, Abdulelah M. Aldhahir, Abdullah S. Alqahtani, Khalid S. Alwadeai, Saleh S. Algarni, Rayan A Siraj, Abdullah A. Alqarni, Mohammed Almeshari, Saeed M. Alghamdi, Mohammed AlTaweel, Musallam Alnasser, Jithin K Sreedharan, Abdullah A. Almojaibel, Mushabbab Alahmari, Yousef S. Aldabayan, Bodor H. Bin sheeha, Fahad H Alahmadi, Abdullah S.	Needs Assessment for the Establishment of Master's degree programs in Respiratory Care in the Kingdom of Saudi Arabia	Advances in Medical Education and Practice 2022:13 1113–1121



	Alsulayyim, Eidan M Alzahrani		
6	Yousef D Alqurashi, Ali H. Al Qattan, Hassan E. Al Abbas, Majed A. Alghamdi, Abdullah A. Alhamad, Hashem A. Al-Dalooj, Talay Y. Altaf, Noor A. Al Khathlan, Abdullah S. Alqarni, Ayad M. Salem.	Association of sleep duration and quality with depression Among University Students and Faculty	Acta Biomed 2022: Vol. 93, N. 5: e2022245
7	Khalid Aziz Ansari, Marwan Jabr Alwazzeh, Feras Ahmed Alkuwaiti, Faraz Ahmed Farooqi, <b>Noor Al Khathlan</b> , Hussain Almutawah, Mustafa Alahmed, Hussain Alfaraj, Ahmed Aljarrash, Jaffar Almadhary, Sarah Alwarthan, Ahmed Mohammed Alsahlawi, Abdullah Bandar Almashouf, Moammer Alqasim, Elaf Alkuwaiti	Early determinants of Mortality in Hospitalized COVID-19 Patients in the Eastern Province of Saudi Arabia	International Journal of General Medicine 2022: 15 1689–1701
8	<b>Noor Al Khathlan</b> , Fadak Al Adhab, Hawraa Al Jasim, Sarah Al Furaish, Wejdan Al Mutairi, Bashayer Al Yami	Simulation-based Clinical Education Versus Early Clinical Exposure for Developing Clinical Skills in Respiratory Care Students	SJMMS, 2022:10 36–41
9	Waleed Alhazzani, Mohammed Alshahrani, Fayez Alshamsi, Ohoud Aljuhani, Khalid Eljaaly, Samaher Hashim, Rakan Alqahtani, Doaa Alsaleh, Zainab Al Duhailib, Haifa Algethamy, Tariq Al-Musawi, Thamir Alshammari, Abdullah Alqarni, Danya Khoujah, Wail Tashkandi, Talal Dahhan, Najla Almutairi, Haleema A. Alserehi, Maytha Al-Yahya,	The Saudi Critical Care Society practice guidelines on the management of COVID-19 in the ICU: therapy section	Journal of Infection and Public Health, 15 (2022) 142–151



	Bandar Al-Judaibi, Yaseen M Arabi, Jameel Abualenain, Jawaher M. Alotaibi, Ali Al bshabshe, Reham Alharbi, Fahad Al- Hameed, Alyaa Elhazmi, Reem S. Almaghrabi, Fatma Almaghlouth, Malak Abedalthagafi, <b>Noor Al Khathlan</b> , Faisal A. Al-Suwaidan, Reem F. Bunyan, Bandar Baw, Ghassan Alghamdi, Manal Al Hazmi, Yasser Mandourah, Abdullah Assiri, Mushira Enani, Maha Alawi, Reem Aljindan, Ahmed Aljabbary, Abdullah Alrbiaan, Fahd Algurashi, Abdulmohsen Alsaawi, Thamer H. Alenazi, Mohammed A. Alsultan, Saleh A. Alqahtani, Ziad Memish, Jaffar A. Al-Tawfiq, Ahmed Al-jedai		
10	Ayad Mohammed Salem, <b>Noor Al Khathlan</b> , Abdulelah Fawzi Alharbi, Turki Alghamdi, Saleh ALDuilej, Mohammed Alghamdi, Majed Alfudhaili, Ahmed Alsunni, Talay Yar, Rabia Latif, Nazish Rafique, Lubna Al Asoom, Hussein Sabit	The Long-Term Impact of COVID-19 Pneumonia on the Pulmonary Function of Survivors	International Journal of General Medicine 2021;14: 3271–3280
11	<b>AL-Khathlan, N.</b> and Bijaya Padhi	Adherence to COVID-19 Appropriate Behavior Among Respiratory Therapists: A Cross-Sectional Study in the Kingdom of Saudi Arabia	Frontiers in Public Health 2021; 9:715-982.
12	<b>AL-Khathlan, N.</b> ; Zainab Aldabbus; Sajedah Al- Nusaif; Noor Alkudair;	Incense (bakhour) smoke exposure is associated with	Indoor Air 2021; 00:1–6.



	Maryam Al-Matar; and AL-Yami, B	respiratory symptoms and impaired lung function among adults: A cross-sectional study in Eastern Province of Saudi Arabia	
13	AL-Khathlan, N. and Ayad Salem	The Effect of Adiposity Markers on Fractional Exhaled Nitric Oxide (FeNO) and Pulmonary Function Measurements.	International Journal of General Medicine 2020:13 955–962

#### Refereed Scientific Research Papers Accepted for Publication

#	Name of Investigator(s)	Research Title	Journal	Acceptance Date

#### Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Publication Date
1	Maram Wajahaha, Zainab Alshakhs, Rayhan Aldawood, Zahra Muways, Zahra Al Romaih, Azza M. Alnabulsi, Noor Al Khathlan	Evaluating Symptoms Profiling Among General Population Who Was Exposed to Environmental Stressors in Eastern Province in Saudi Arabia	The 2nd International Conference of Food Security and Environmental Sustainability, 5 <sup>th</sup> Nov 2023
2	Al-Khathlan, N.; Al-Makainzi, S.; Al-Jawad, M.; Al-Abdrubalameer	Evaluation of Meter Dose Inhaler Use Technique and Response to Three Different Educational Methods in the Eastern Province.	The Gulf Thoracic Congress, 15 <sup>th</sup> Mar 2017
3	Al-Khathlan, N.; Gaillard, E.; Narayanan, M. Beardsmore, C.	Phase III slope indices: can accurate estimates be obtained from 2 runs?	European Respiratory Journal, 2014; 44: Suppl. 58, P1156
4	Al-Khathlan, N.; Gaillard, E.; Beardsmore, C.	The role of ventilation inhomogeneity indices compared to spirometry in interventional studies in children with Cystic Fibrosis.	European Respiratory Journal, 2013; 42: Suppl. 57, P3609
5	Al-Khathlan, N.; Gaillard, E.; Beardsmore, C.	Lung clearance index and forced expiratory flows in children with cystic fibrosis.	Am J Respir Crit Care Med 187; 2013: A2071
6	Al-Khathlan, N.; Gaillard, E.; Viskaduraki, M.; Beardsmore, C.	Rate and depth of breathing affects multiple-breath N <sub>2</sub> washout Indices.	European Respiratory Journal, 2012; 40: Suppl. 56, P1142
7	Al-Khathlan, N.; Gaillard, E.; Beardsmore, C.	Lung clearance index and hyperinflation in children with cystic fibrosis.	European Respiratory Journal, 2012; 40: Suppl. 56, P1451
8	AL-Khathlan, N.; Enright, S.; EL-Noueam, M.	A comparative study of FVC, FEV <sub>1</sub> , and TLC in non-smoking Saudi students at	European Respiratory Journal, 2012; 40: Suppl. 56, P3199



		Eastern Province, Saudi Arabia with Caucasian reference values.	
9	Al-Khathlan, N.; Garipov, R.; Owers-Bradley, J.; Gaillard, E.; Beardsmore, C.	Excluding extreme breaths from analysis can change conductive airway ventilatory inhomogeneity by over 25% in cystic fibrosis.	European Respiratory Journal, 2011; 38: Suppl. 55, P2023
10	AL-Khathlan, N.; Enright, S.; EL-Noueam, M.	A comparative study of FVC, FEV1, and TLC in non-smoking Saudi students at Eastern Province, Saudi Arabia with Caucasian reference values.	RC Journal, 2010, Open Forum #7

### Completed Research Projects

#	Name of Investigator(s) (Supported by)	Research Title	Report Date
1	Raghad Alzahrani, Asma Albhair, Bitoul Alrumaih, Rahaf Ahmed, <b>Noor Al Khathlan</b> , Hana Al Somali	Chemical Exposures, Respiratory-Related Symptoms and Lung Function Among Hairstylists in Saudi Arabia: A Cross-Sectional Study.	June, 2024
2	Majed Aloqaily, Hisham AlOuhali, Nasser Alsubeay, Abdullah Alotaibi, Mohammed Alharbi, Talay Yar, Kholoud Alghamdi, Abdulaziz Alhamam, <b>Noor Al Khathlan</b> , Ayad Salem	Respiratory muscle function, 6-minute walk tests and blood gas analysis two years after COVID infection	June, 2024
3	<b>Noor Al Khathlan</b> , Noura Al-Dossary, TuqaAl-Marzooq, Norah Al-Qahtani, Zainab Al-Fraij, Fatimah Al-Rowai	Impact of COVID-19 Pneumonia on Pulmonary Function of Survivors: Follow-up After Two Years	June, 2023
4	Jaber S Alqahtani, Mohammed D AlAhmari, Hajed M Al-Otaibi, Saad M. AlRabeeah, <b>Noor A Al Khathlan</b> , Abdulelah M. Aldhahir, Abdullah S. Alqahtani, Khalid S. Alwadeai, Saleh S. Algarni, Rayan A Siraj, Abdullah A. Alqarni, Mohammed Almeshari, Saeed M. Alghamdi, Mohammed AlTaweel, Musallam Alnasser, Jithin K Sreedharan, Abdullah A. Almojaibel, Mushabbab Alahmari, Yousef S.	Needs Assessment for the Establishment of Master's degree programs in Respiratory Care in the Kingdom of Saudi Arabia	Sep, 2022



	Aldabayan, Bodor H. Bin sheeha, Fahad H Alahmadi, Abdullah S. Alsulayyim, Eidan M Alzahrani		
5	Najood Almashama, Reem Alabbas, Shrooq Alamoudi, Fatima Almahasnah, Manar Alsaleh, Shahad Alsulaiman, <b>Noor Al Khathlan</b> .	Growing Demand for Respiratory Therapists in Saudi Hospitals during the COVID-19 Pandemic	June, 2022
6	Waleed Alhazzani, Mohammed Alshahrani, Fayeze Alshamsi, Ohoud Aljuhani, Khalid Eljaaly, Samaher Hashim, Rakan Alqahtani, Doaa Alsaleh, Zainab Al Duhailib, Haifa Algethamy, Tariq Al-Musawi, Thamir Alshammari, Abdullah Alqarni, Danya Khoujah, Wail Tashkandi, Talal Dahhan, Najla Almutairi, Haleema A. Alserehi, Maytha Al-Yahya, Bandar Al-Judaibi, Yaseen M Arabi, Jameel Abualenain, Jawaher M. Alotaibi, Ali Al bshabshe, Reham Alharbi, Fahad Al-Hameed, Alyaa Elhazmi, Reem S. Almaghrabi, Fatma Almaghlouth, Malak Abedalthagafi, <b>Noor Al Khathlan</b> , Faisal A. Al-Suwaidan, Reem F. Bunyan, Bandar Baw, Ghassan Alghamdi, Manal Al Hazmi, Yasser Mandourah, Abdullah Assiri, Mushira Enani, Maha Alawi, Reem Aljindan, Ahmed Aljabbary, Abdullah Alrbiaan, Fahd Algurashi, Abdulmohsen Alsaawi, Thamer H. Alenazi, Mohammed A. Alsultan, Saleh A. Alqahtani, Ziad Memish, Jaffar A. Al-Tawfiq, Ahmed Al-jedai	The Saudi Critical Care Society practice guidelines on the management of COVID-19 in the ICU: therapy section	May, 2021
	Yousef Al-Qurashi, Abdullah Al-Qarni, <b>Noor Al Khathlan</b> , Ayad Salem	Assessment of sleep quantity and quality among Imam Abdulrahman Bin Faisal University faculty and staff and the university hospital (slumber number)	May, 2021
	Ayad Salem, <b>Noor Al Khathlan</b> , Abdulliallah Alharbi, Turki Alghamdi, Mohammed Alghamdi, Saleh Aduialj, Maijed Alfudaili, Ahmed	Long term effect of COVID-19 pneumonia on pulmonary functions	May, 2021





	Alsunni, Taly Yar, Rabia Latif, Nazish Rafique, Hussein Sabit		
7	<b>AL-Khathlan, N.</b> and Bijaya Padhi	Assessment of risk perception and coping behaviour among respiratory therapist to the COVID-19 outbreak in the Kingdom of Saudi Arabia	May, 2021
8	<b>Al-Khathlan, N.;</b> Al-Sharafa, B.;Al-Rumaih, F.; Al-Obaidan,S.;Al-Maskeen, S.; and Al-Abdrabalnabi, S.	The Impact of COVID-19 Pandemic on Smokers' Behaviour in Saudi Arabia	April,2021
9	Khalid Aziz Ansari, Marwan Jabr AlwazzeH, Feras Ahmed Alkuwaiti, Faraz Ahmed Farooqi, <b>Noor Al Khathlan</b> , Hussain Almutawah, Mustafa Alahmed, Hussain Alfaraj, Ahmed Aljarrash, Jaffar Almadhary, Sarah Alwarthan, Ahmed Mohammed Alsahlawi, Abdullah Bandar Almashouf, Moammer Alqasim, Elaf Alkuwaiti	Determinants of Mortality in Hospitalized COVID-19 Patients in the Eastern Province of Saudi Arabia	April, 2021
10	Talay Yar, Ali Hamzah Ali Alsharedah, Mohammed Abdulmajeed Aldoukhi, Abdulrahman Shaker Alruwished, Abdullah Jamal A Alzayer, Ahmed Basheer Al Obaid, Ahmed A AlSunni, Faisal F Alousi, <b>Noor Al Khathlan</b> , Eyad M Salem, Khalid Ansari	Pilot study to inform Young Healthy Saudi adults about the Short-Term Effect of Electronic Cigarettes on pulmonary function parameters.	March,2021
11	<b>AL-Khathlan, N.;</b> Meaad Basuwaidan· Sarah Al Yami, Fatimah Al-Saif and Salam Al-Fareed	The Association Between Exposure to Scented Candles and Respiratory Related Symptoms	May, 2020
12	<b>AL-Khathlan, N.</b> and Ayad Salem Ali	Comparison of Fractional Exhaled nitric oxide level, T Helper cells cytokines and pulmonary function tests between normal weight and over-weight/obese subjects	May, 2019
13	<b>AL-Khathlan, N.</b> and AL-Yami, B.; Zainab Aldabbus; Sajedah Al-Nusaif; Noor Alkudair; Maryam Al-Matar	The Effect of Exposure to Incense Smoke on Lung Function Among Workers at Bakhour Shops in Eastern Province of Saudi Arabia	May, 2018
14	<b>AL-Khathlan, N.;</b> AL-Yami, B.; Fadak Aladhab, Hawraa Aljasim, Sarah Alfuraish, and Wejdan Almutairi	An exploratory study of the impact of early vs. late clinical exposure on RC students and graduates at IAU.	May, 2017



15	<b>Al-Khathlan, N.</b> ; Al-Makainzi, S.; Al-Jawad, M.; and Al-Abdrubalameer, N.	Evaluation of Meter Dose Inhaler Use Technique and Response to Three Different Educational Methods in the Eastern Province	May, 2016
----	--	--	-----------

### Current Research

#	Research Title	Name of Investigator(s)
1	Master of Respiratory Care with Sub-specialty Focus: A Need Assessment Survey	Abdullah Al-Qarni, Yousef Al-Qurashi, <b>Noor Al-Khathlan</b>

### Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution
1	Fundamental Respiratory Care Support Course (FRCSC)	27 <sup>th</sup> & 28 <sup>th</sup> Sep, AL Faisal University, Riyadh	Participated <b>as a chair for session 3</b> entitled: "Diagnosis, disease management and education".
2	JAHA Annual Research Symposium 2024 Artificial Intelligence in Healthcare	24 <sup>th</sup> Sep 2024, Plaza Conference Center, Dhahran	Attending the conference and evaluated 3 posters.
3	The 2nd International Conference of Food Security and Environmental Sustainability	5 <sup>th</sup> , 6 <sup>th</sup> and 7 <sup>th</sup> Nov 2023, College of Agricultural and Food Sciences, King Faisal University, Al Ahsa	Participation as <b>a Poster presenter for a poster</b> entitled "Evaluating Symptoms Profiling Among General Population Who Was Exposed to Environmental Stressors in Eastern Province in Saudi Arabia".
4	Respiratory care Scientific Conference	12,13 & 14 Sep 2023, King Fahad Medical City, Riyadh	Participated as <b>Poster presenter for a poster entitled:</b> "Impact of COVID-19 Pneumonia on Pulmonary Function of Survivors: Follow-up After Two Years"
5	Pediatric & neonatal mechanical ventilation symposium	1 <sup>st</sup> March 2023, Maternity and children hospital, Al Ahsa	Participated as a <b>Speaker</b>
6	5 <sup>th</sup> Student research and innovation Day	17 <sup>th</sup> Nov 2022, Prince Sultan military college of Health Sciences, Dhahran	Participated as <b>Ad Hoc Judging committee member</b>
7	5 <sup>th</sup> Respiratory Care Student Symposium	2 <sup>nd</sup> March 2022, Prince Sultan military college of Health Sciences, Dhahran	Participated as <b>Ad Hoc Judging committee member</b>
8	Reaching The Horizon in Respiratory Care	20 <sup>th</sup> October 2022 King Fahad Hospital of the University, Al-Khobar	Participated as a <b>Speaker</b>
9	Basic PFT Course	February 28, 2022 King Fahad Hospital of the University, Al-Khobar	Participated as a <b>Speaker</b>



10	Hot topics in Respiratory Care during COVID-19	March 2 <sup>nd</sup> , 2021 Online meeting via TEB Ex	Participated as <b>Overall Head of the Conference and Chairman of Scientific Committee</b>
11	Pediatric PFT Seminar: Pediatric PFT made easy	19 May,2020 Online meeting via zoom	Participated as a <b>Speaker</b>
12	8 <sup>th</sup> Saudi Society for Respiratory Care Scientific Conference	February 26 & 27, 2020 Imam Abdulrahman Bin Faisal University	Participated as a <b>Speaker and Overall Head of the Conference and Chairman of Scientific Committee</b>
13	Respiratory Care Symposium	November 21 <sup>st</sup> , 2019 Carlton alMoabid Hotel, AL Khobar	Participated as a moderator for <b>Clinical Education &amp; Simulation Session</b>
14	Advance PFT Course, King Fahad Medical City, Riyadh	September 2019 King Fahad Medical City, Riyadh, KSA	Participated as a <b>Speaker</b> to present a workshop about: "Lung Volume Measurements"
15	NEW TRENDS in BRONCHIAL HYGIENE & AEROSOL THERAPY	March 2019 Imam Abdulrahman bin Faisal University, Dammam, KSA	Participated as <b>the Chair of the conference and a speaker</b> to present about: "assessing small airways".
16	2 <sup>nd</sup> Respiratory Care Scientific Symposium, King Fahad Medical City, Riyadh	November 2018 King Fahad Medical City, Riyadh, KSA	Participated as a <b>Speaker</b> to present: "Recent Interpretive Strategies for Lung Function Tests; (Lower Limit of Normal (LLN) and Z-Score)"
17	Respiratory Care Scientific Symposium, King Fahad Medical City, Riyadh	December 2017 King Fahad Medical City, Riyadh, KSA	Participated as a <b>Speaker</b> to present my work entitled: "Novel techniques for the assessment of early changes within the lung periphery in CF".
18	7 <sup>th</sup> Saudi Society for Respiratory Care Scientific Conference, IAU, Dammam	November 2017 Imam Abdulrahman bin Faisal University, Dammam, KSA	The <b>Chairperson for the press Committee</b> and a member of the organizing committee
19	Ventilatory Functions from Graphical Perspective Symposium	April 2017 Imam Abdulrahman bin Faisal Hospital, National Guard, Dammam, KSA	Participated as a <b>Speaker</b> to present my work entitled: "Exploring Abnormalities within the Lung Periphery in Asthma"
20	Gulf Thoracic Congress	March 2017, Dubai, UAE	Participation as a <b>Speaker</b> in a Workshop entitled; "Pulmonary Function Testing: Techniques and Interpretation."  Participated as a <b>Chairperson</b> for a Session entitled: "Respiratory Care"  Participation as a <b>presenter for a poster</b> entitled "Evaluation of Meter Dose Inhaler Use Technique and



			Response to Three Different Educational Methods in the Eastern Province”
21	Liberation from Mechanical Ventilation Symposium and Workshop	April 2016, Department of Respiratory Care, CAMS, IAU, Dammam, KSA	Assigned as the <b>Chairperson for the Press Committee</b>
20	Gulf Thoracic Congress	March 2016, Dubai, UAE	Participated as a <b>speaker</b> in Pulmonary Function Testing: Techniques and Interpretation (PFT) Workshop.  Invited as a <b>guest speaker</b> from the Scientific Committee to present “Novel techniques for the assessment of early changes within the lung periphery in Cystic Fibrosis”  Participation as a <b>presenter for a poster</b> entitled “Lung clearance index (LCI) and hyperinflation in children with cystic fibrosis (CF)”
21	The 10 <sup>th</sup> Hot Topics in Pediatrics Conference	March 2016, King Fahad University Hospital, AL Khobar, KSA	Participated as The <b>Supervisor</b> for Neonatal and Pediatric Non-invasive Ventilation Workshop.
22	Cross Country Saudi Paediatric Pulmonary Tele-Conference Rounds	January 2016 at King Fahd military Complex, Dammam, KSA	Participated as a <b>Speaker</b> to present “Recent Interpretive Strategies for Lung Function Tests (LLN and Z-Score)”
23	The 1 <sup>st</sup> International Respiratory Care Conference	May 2010, Riyadh, KSA	Participated as a <b>Speaker</b> to present the work entitled: “A comparative study of FVC, FEV <sub>1</sub> , and TLC in non-smoking Saudi students at Eastern Province, Saudi Arabia with Caucasian reference values”
24	The 3 <sup>rd</sup> Respiratory Care Symposium & workshop in Pulmonary Function Testing (Basic & advanced)	November 2006, King Fahad hospital, AlKhobar, KSA	Participated as a <b>Speaker</b> to present “Basics and Advances in Methacholine Challenge Testing”

#### Membership of Scientific and Professional Societies and Organizations

- American Thoracic Society (ATS)
- European Respiratory Society (ERS)



- Saudi Commission for Health Specialties (SCHS)
- Saudi Society of Respiratory Care (SSRC)

## Teaching Activities

### Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Pulmonary Function Testing	RESP 307	14 lectures were given to 3 <sup>rd</sup> level female RC students
2	Respiratory Anatomy and Physiology	RESP 221	10 lectures were given to 2 <sup>nd</sup> level female RC students
3	Basic Pulmonary Function Testing	RESP 324	15 lectures were given to 3 <sup>rd</sup> level female RC students for 4 consecutive years
4	Advanced Pulmonary Function Testing	RESP 413	14 lectures were given to 4 <sup>th</sup> level female RC students for 6 consecutive years
5	Pulmonary Rehabilitation	RESP 414	4 lectures were given to 4 <sup>th</sup> level female RC students
5	Patient Assessment	RESP 222	4 lectures were given to 2 <sup>nd</sup> level female RC students
6	Fundamentals of Polysomnography	RESP 421	11 lectures were given to 4 <sup>th</sup> level female RC students
7	Mechanical Ventilator	MV-FLAB	Laboratory teaching (3 hours/week) for 3 <sup>rd</sup> level female RC students for 2 consecutive years
8	Pulmonary Function Testing	PFT-FLAB	Laboratory teaching (2 hours/week) for 3 <sup>rd</sup> level female RC students for 3 consecutive years
9	Clinical Practice II, III, IV	Clinical Practice II, III, IV	Clinical Instructor in different hospitals for 2 <sup>nd</sup> , 3 <sup>rd</sup> and 4 <sup>th</sup> year male and female RC students for 2 consecutive years in addition to the participation in standardizing clinical teaching for RC students.

### Brief Description of Undergraduate Courses Taught: (Course Title – Code: Description)

1	
2	

### Postgraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)



#### Brief Description of Postgraduate Courses Taught: (Course Title – Code: Description)

1	
2	

#### Course Coordination

#	Course Title and Code	Coordination	Co-coordination	Undergrad.	Postg rad.	From	to
1	Pulmonary Function Testing	✓		✓		Aug, 2024	Present
2	Respiratory Anatomy & Physiology	✓		✓		Dec, 2022	Present
3	Basic Pulmonary Function Testing	✓		✓		Sep, 2018	Present
4	Advance Pulmonary Function Testing	✓		✓		Jan, 2019	Present

#### Guest/Invited Lectures for Undergraduate Students

#	Activity/Course Title and Code	Subject	College and University or Program	Date
1	How to create scientific poster	Scientific club	Respiratory Care Department College of Applied Medical Sciences (CAMS)	Feb, 2017
2	How to choose the best statistical test for your study variables	Research		April, 2016

#### Student Academic Supervision and Mentoring

#	Level	Number of Students	From	to
1	4th level female students	5	Sep, 2022	June, 2023
2	4th level female students	6	Sep, 2021	May, 2022
3	4th level female students	5	Sep, 2020	May, 2021
4	4th level female students	4	Sep, 2019	May, 2020
5	4 <sup>th</sup> level female students	4	Sep, 2018	May, 2019
6	4 <sup>th</sup> level female students	4	Sep, 2017	May, 2018



7	4 <sup>th</sup> level female students	3	Sep, 2015	May, 2016
---	---------------------------------------	---	-----------	-----------

#### Supervision of Master and/or PhD Thesis

#	Degree Type	Title	Institution	Date
1				

#### Ongoing Research Supervision

#	Degree Type	Title	Institution	Date

#### External Examiner for BSc/MSc and/or PhD

#	Degree Type	Title	Institution	Date
1	MSc in in Healthcare Quality and Patient Safety	Perception of Patient Safety Culture Among Respiratory Therapists in Saudi Arabia	College of public health, IAU	Sep,2023
2	MSc in Public Health	Effect of COVID 19 on pulmonary function test, pre and post infection	College of public health, IAU	May,2023
3	MSc in Cardiopulmonary Physical Therapy	Long-Term Effect of COVID-19 on Pulmonary Function, Physical Activities, Functional Capacities, and Quality of Life. A cross-sectional study	College of Applied Medical Sciences, IAU	Jan, 2023
4	BSc in Biomedical Engineering	Design an accurate, low cost mechanical Ambu bag ventilator	Collage of Engineering, IAU	May, 2022
5	BSc in Biomedical engineering	Design and development of a cost-effective and precision high flow nasal cannula (HFNC) device	Collage of Engineering, IAU	May,2021
6	BSc in Biomedical engineering	Artificial Intelligence (AI) Assisted Multichannel Auscultation of the Respiratory System	Collage of Engineering, IAU	May,2020



## Administrative Responsibilities, Committee and Community Service (Beginning with the most recent)

### Administrative Responsibilities

#	From	To	Position	Organization
1	Oct,2022	Until now	Vice Dean of Development and Community Partnership	College of Applied Medical Sciences, Imam Abdulrahman Bin Faisal University
2	April, 2022	Until now	Chair of the Advisory Committee for the Respiratory Care Program in Saudi Universities	Ministry of Education
3	May, 2018	March, 2023	CHARMAN OF RESPIRATORY CARE DEPARTMENT	Respiratory care Department, Imam Abdulrahman Bin Faisal University
4	Oct, 2017	Nov, 2017	ACTING CHARMAN OF RESPIRATORY CARE DEPARTMENT	
5	Nov, 2015	May 2018	DIRECTOR OF CLINICAL EDUCATION	
6	Nov, 2015	Until now	HEAD OF PULMONARY FUNCTION LABORATORIES	King Fahad University Hospital and FAMCO

### Committee Membership

#	From	To	Position	Organization
1	Oct,2024	Until now	Member of executive committee of the International Day of Persons with disability	Vice president of development, and community partnership, Imam Abdulrahman Bin Faisal University
2	Oct, 2023	Until now	Member of subcommittee to review the annual reports of bachelor's programs in the health specialties track	Vice president of Academic Affairs, Imam Abdulrahman Bin Faisal University
3	Oct, 2023	Until now	Member of Committee for Activating Breast Cancer Awareness Programs	Vice president of development, and community partnership, Imam Abdulrahman Bin Faisal University
4	May, 2021	March,2023	Head of sub-committee on program administration and quality assurance (Standard 1 & 2)	





5	Nov, 2017	Until now	The Vice Chairmen of the NCAAA-RC steering committee	Respiratory care Department, Imam Abdulrahman Bin Faisal University
6	2017	Until now	Member of postgraduate programs selection for RC scholars from the faculty	
7	2016	Until now	Member of RC Master program initiative	
8	Jan, 2016	Until now	Steering Committee for Administrative Affairs member	
9	Oct, 2015	Until now	Member of RC Curriculum Update	

#### Scientific Consultations

#	From	To	Institute	Full-time or Part-time
1	April, 2022	present	Ministry of Education	Part-time
2	Dec, 2021	present	AlMaarefa University	Part-time
3	Aug, 2021	Oct, 2021	Fakeeh College of Medical sciences	Part-time
4	Jan, 2021	present	King Saud bin Abdulaziz University for Health Sciences	Part-time
5	Jan, 2020	Feb, 2020	AlMustaqbal University	Part-time
6	Nov, 2019	Feb, 2020	Saudi Commission of Health Specialties	Part-time
7	Sep, 2019	Jun, 2020	Prince Sultan Military College of health Sciences-Dhahran	Part-time

#### Volunteer Work

#	From	Type of Volunteer	Organization
1	Oct,2023	"Activation of RC week" in the Deanship of Preparatory year by measuring lung function for administrative employee	Imam Abdulrahman Bin Faisal University
2	May,2023	Workshop in Inspirational Leadership	Quran memorization association in the Eastern Province
3	Jan, 2023	Scientific meeting "Where the Path Leads"	College of Applied Medical Sciences student Council, IAU
4	Sep, 2022	Workshop with Center for Leadership	Center of Leadership, Vice Presidency for Academic Affairs, IAU
5	May, 2022	Workshop in Inspirational Leadership	College of Applied Studies and Community Service, IAU



6	Nov,2021	Workshop with Center for Leadership	Center of Leadership, Vice Presidency for Academic Affairs, IAU
7	Aug, 2021	Establish and run Pulmonary Function Testing Clinic	FAMCO Clinics, IAU
8	Feb, 2021	Lecture on the effects of scented candles on Saudi Youth lung function	Talented students (Mawhiba)
9	May, 2020	Scientific Online seminar on Pediatric PFT	Saudi Pediatric Pulmonology Association (SPPA)
10	Feb, 2020	Delivering a teaching course entitled: "Pulmonary Function Testing (A guide for learners)" to the family medicine residents	FAMCO Centre, IAU
11	Jan, 2019		
	Dec, 2017		
12	Apr, 2016	Preparation program for demonstrators, lecturers and scholars	Deanship of Education Development, IAU
13	Dec, 2015		

**Personal Key Competencies and Skills: (Computer, Information technology, technical, etc.)**

1	Computer
2	e-library Skills
3	Critical Appraisal and Study Skills
4	Advanced Database Searching & Bibliographic Software use
5	Demonstrating and Teaching Skills
6	Using statistical software
7	General and Conference Presentations skills
8	The Essential Academic Leader skills

Last Update: **OCTOBER, 2024**