

# Curriculum Vitae

**May Bakkar, Ph.D**

## **PERSONAL INFORMATION**

**Full name** May Mohammad Hussein Bakkar

**Marital Status** Married, and mother of two children.

**Affiliation** Jordan University of Sciences and Technology, Faculty of Applied Medical Sciences, Department of Allied Medical Sciences, Irbid (22110), Jordan

**Academic Portals** Research gate, Google Scholar (May Bakkar)

**Webpage** <https://www.just.edu.jo/eportfolio/Pages/Default.aspx?email=mmbakkar>

**E-mail** [mmbakkar@just.edu.jo](mailto:mmbakkar@just.edu.jo) , [bakkar.may@gmail.com](mailto:bakkar.may@gmail.com)

## **EDUCATION**

**2009- 2012** **Ph.D** in Optometry, the University of Manchester, U.K.  
Main research area: corneal staining and corneal response to contact lenses.

**2004-2005** **M.Sc** in Investigative Ophthalmology and Vision Sciences, the University of Manchester, U.K.

**1999-2003** **B.Sc.** (Hons) in Optometry, Jordan University of Science and Technology (J.U.S.T), Excellent grade\ Ranked first among all Class 2003 students

## **ACADEMIC AND PROFESSIONAL APPOINTMENTS**

<b>Feb 2022-to date</b>	<b>Professor of Optometry</b>
<b>October 2025-to date</b>	<b>Faculty Advisor</b> of Volunteer Optometric Services to Humanity SVOSH-JUST-JORDAN
<b>Jan 2024-to date</b>	<b>Ambassador</b> of the International Association of Contact Lens Educators (IACLE) for the Middle Est region
<b>April 2024</b>	<b>Academic consultant:</b> Appointed and tasked with establishing and accreditation of new optometry university programmes in the Middle East region (UAE, Palestine, Jordan)
<b>Feb 2018- Feb 2022</b>	<b>Associate Professor</b> of Optometry, Faculty of Applied Medical Sciences/ Jordan University of Science and Technology (JUST).
<b>Feb 2013- present</b>	<b>Optometrist Consultant</b> at JUST Primary Eye Care Clinic.  Principal coordinator from JUST for establishing the first specialized keratoconus clinic in northern Jordan.
<b>Feb 2013- Jan 2018</b>	<b>Assistant Professor</b> of Optometry, Faculty of Applied Medical Sciences/ (JUST).
<b>2016/2017</b>	<b>Part-time lecturer</b> for the Master's program of vision rehabilitation at the German Jordanian University. Main teaching area: Research Methodology.
<b>2009-2012</b>	<b>Clinical Tutor</b> Optometry Department, School of Life Sciences, The University of Manchester/UK.
<b>2005-2009</b>	<b>Full-time Lecturer and Academic Coordinator.</b> Jordan University of Science and Technology (J.U.S.T). <b>Optometrist</b> at J.U.S.T Medical Centre, main practice area: refraction and contact lenses fitting.
<b>July 2005</b>	<b>Clinical Attachment</b> / Optometry Department. (Manchester Royal Eye Hospital (MREH)/UK.
<b>2003-2004</b>	<b>Teaching Assistant;</b> Jordan University of Science and Technology.

**2003-2004**                      **Trainee;** King Abdullah University Hospital/ Jordan. Training in the ophthalmology department for refraction, ocular electrophysiology (EOG, VEP, ERG), Perimetry, OCT and Biometry techniques.

### **PROFESSIONAL REGISTRATION**

Licensed by Ministry of Health to practice optometry profession in Jordan.

### **RESEARCH INTERESTS**

- Assessment of education standards and applying evidence-based teaching (EBT) in optometry
- Dry eye disease and its occurrence among the community, contact lens wearers, smokers and children.
- Contact lens and contact lens care solution reaction with the ocular surface.
- Community eye care and studying awareness of selected eye disorders among the community with focus in Myopia and its control in children
- Contact lenses procurement, barriers to use and practitioners' perspective.
- Contact lens sustainability among ECPS and contact lens wearers
- Translation and validation of questionnaires used in eye care into Arabic language

### **RECENT RESEARCH PROJECTS (FUNDED AND/OR APPROVED BY J.U.S.T)**

1. Awareness of Myopia and Myopia Control Strategies Among ECPS, Parents in Jordan: A Cross-Sectional Study. Principal Investigator
2. Eye care practitioners and contact lens wearers perspective and attitudes toward contact lens sustainability: a worldwide study. A collaborative project with University of Milano Bicocca, Milan, Italy. Co-investigator.
3. Prevalence of Dry Eye Symptoms in Modern Offices among office workers and academics: A Cross-Sectional Non-Clinical Comparative Study among Lebanon, Jordan, and UAE. Approved (2023). A collaborative study with American University/Dubai, UAE. Co-investigator.

4. Prevalence and Behavioral Risk Factors of Symptomatic Dry Eye Disease: A Comparative Study among the University Students of Jordan and UAE. A collaborative study with American University/Dubai, UAE. Co-investigator.
5. Future optometrists' perception of myopia control interventions. A comparative study of the Middle East and the UK. Approved (2022). A collaborative study with City University of London, UK. Co-investigator.
6. Epidemiology of Symptomatic Dry Eye Disease in Arab Countries: A Cross-Sectional Non-Clinical Association Study with Behavioral Habits. Approved (2021). A collaborative study with the University of Technology/Lebanon. Co-investigator.
7. Visual Function Changes Across horizontal visual field with induced optical blur and Inhabiting Accommodation functions. Approved (2021). Principal Investigator.
8. Assessment of contact lens wearers' attitude toward contact lens wear and care in response to the COVID-19 pandemic. Approved (2020). Principal Investigator.
9. Assessment of compliance with contact lens care and hygiene among university-based population in Jordan. Approved (2018). Principal Investigator.
10. Ocular changes among water-pipe smokers (Approved (2016). Principal Investigator).
11. The Toxicity of Contact Lens Solutions against Cultured Corneal Epithelial Cells (Approved 2016) Master thesis. Principal Investigator.
12. Barriers to contact lens wear in Jordan: patient related factors (Approved (2016). Principal Investigator.
13. Causes of Visual Impairment and Low vision in Northern Jordan (Approved (2016). Principal Investigator.
14. Studying the effect of contact lens wear on the ocular surface (Approved (2015). Co-investigator.
15. Awareness of Diabetic Retinopathy among patients with Type 2 Diabetes Mellitus in Northern Jordan (Approved (2015). Principal Investigator.
16. Prevalence of Dry Eye Disease in Northern Jordan and the occurrence of the disease among contact lens wearers (Approved (2014). Principal Investigator.

## **PUBLICATIONS IN REFEREED ACADEMIC JOURNALS**

1. **Bakkar MM**, Aridi M, Alebrahim MA, Ghach W. Incidence of dry eye symptoms and behavioural-cultural risk factors among university students population in Jordan. *PLoS One*. 2025 Aug 7;20(8):e0328235. doi: 10.1371/journal.pone.0328235. PMID: 40773426; PMCID: PMC12331033.
2. Haddad MF, Abdo N, **Bakkar MM**. Public Awareness, Knowledge of Presbyopia and Compliance to Eye Examination in Jordan. *Clin Optom (Auckl)*. 2024 Jul 29;16:191-199. doi: 10.2147/OPTO.S467933. PMID: 39100731; PMCID: PMC11296362.
3. Woods C, Naroo S, Zeri F, **Bakkar M**, Barodawala F, Evans V, Fadel D, Kalikivayi L, Lira M, Maseedupally V, Huarte ST, Eperjesi F. Evidence for commonly used teaching, learning and assessment methods in contact lens clinical skills education. *Cont Lens Anterior Eye*. 2023 Apr;46(2):101821. doi: 10.1016/j.clae.2023.101821. Epub 2023 Feb 16. PMID: 36805277.
4. Alebrahim MA, **Bakkar MM**. The usefulness of optics-based courses for optometry and vision science alumni: a cross-sectional online survey. *Ann Med*. 2022 Dec;54(1):1423-1431. doi: 10.1080/07853890.2022.2076899. PMID: 35583500; PMCID: PMC9122369.
5. Alebrahim MA, **Bakkar MM**, Al Darayseh A, Msameh A, Jarrar D, Aljabari S, Khater W. Awareness and Knowledge of the Effect of Ultraviolet (UV) Radiation on the Eyes and the Relevant Protective Practices: A Cross-Sectional Study from Jordan. *Healthcare (Basel)*. 2022 Nov 30;10(12):2414. doi: 10.3390/healthcare10122414. PMID: 36553938; PMCID: PMC9778245.
6. Ghach W, **Bakkar MM**, Aridi M, Beshtawi I, Doughaily R, Al-Fayoumi N. Prevalence and Behavioral-Based Risk Factors (Eye Cosmetic and Tobacco Use) of Symptomatic Dry Eye Disease in Four Middle Eastern Countries: Lebanon, Syria, Jordan, and Palestine. *Clin Ophthalmol*. 2022 Nov 21;16:3851-3860. doi: 10.2147/OPHTH.S385040. PMID: 36438590; PMCID: PMC9697459.
7. Thite N, Desiato A, Shinde L, Wolffsohm JS, Naroo SA, Santodomingo Rubido J, Cho P, Jones D, Villa-Collar C, Carrillo G, Chan O, Wang H, Iomdina E, Tarutta E, Proskurina O, Fan CS, Zeri F, **Bakkar MM**, Barodawala F, Dabral N, Lafosse E, Lee C, Nichols J, Chan J, Park K, Nair V, van der Worp E, Vankudre G, Maseedupally V, Bhattarai Y, Nagzarkar D, Brauer P, Gil-Cazorla R. Differences in Practitioner Experience, Practice Type, and Profession in Attitudes Toward Growing Contact Lens Practice. *Eye Contact Lens*. 2022 Sep 1;48(9):369-376. doi: 10.1097/ICL.0000000000000920. PMID: 35971228.
8. Haddad MF, **Bakkar MM**, Al Qadire M. Perceptions of potential barriers to soft contact lens wear among university students in Jordan. *Clinical and Experimental Optometry*, 2022. <https://doi.org/10.1080/08164622.2022.2053328>

9. **Bakkar MM**, El-Sharif AK, Al Qadire M. Validation of the Arabic version of the Ocular Surface Disease Index Questionnaire. *International Journal of Ophthalmology*, 2021; 14 (10), 1595. <https://doi.org/10.18240/ijo.2021.10.18>
10. **Bakkar MM**, Alzghoul EA. Assessment of contact lens wearers' attitude toward contact lens wear and care during Coronavirus Disease 2019 (COVID-19) pandemic: A cross-sectional online survey. *Cont Lens Anterior Eye*, 2021; 44 (6), 101410. <https://doi.org/10.1016/j.clae.2021.01.005>
11. Nilesh Thite, Alfredo Desiato, Lakshmi Shinde, James S Wolffsohn, Shehzad A Naroo, Jacinto Santodomingo-Rubido, Pauline Cho, Debbie Jones, César Villa-Collar, Guillermo Carrillo, Osbert Chan, Haiying Wang, Elena Iomdina, Elena Tarutta, Olga Proskurina, Chi Shing Fan, Fabrizio Zeri, **Bakkar MM**, Fakhruddin Barodawala, Neeraj Dabral, Edouard Lafosse, Cheni Lee, Jason Nichols, Jack Chan, Kyounghee Park, Vishakh Nair, Eef Van Der Worp, Gopi Vankudre, Vinod Maseedupalli, Yashaswee Bhattarai, Dimple Nagzarkar, Peter Brauer, Raquel Gil-Cazorla. Opportunities and threats to contact lens practice: A global survey perspective. *Cont Lens Anterior Eye*, 2021; 44 (6), 101496. <https://doi.org/10.1016/j.clae.2021.101496>
12. Stapleton F, **Bakkar MM**, Carnt N, Chalmers R, Vijay AK, Marasini S, Ng A. BCLA CLEAR-Contact lens complications. *Cont Lens Anterior Eye*, 2021;44 (2), 330-367. <https://doi.org/10.1016/j.clae.2021.02.010>
13. **Bakkar MM**, Haddad MF, Khabour OF, The effects of tobacco waterpipe smoking on the ocular surface. *Clinical and Experimental Optometry*, 2021; 1-7. <https://doi.org/10.1080/08164622.2021.1956862>
14. **Bakkar MM**, Alzghoul EA, Assessment of compliance with contact lens wear and care among university-based population in Jordan. *Cont Lens Anterior Eye*, 2021;43(4), 395-401 <https://doi.org/10.1016/j.clae.2020.02.020>
15. Shanti Y, Shehada R, **Bakkar MM**, Qaddumi J. Prevalence and associated risk factors of dry eye disease in 16 northern West bank towns in Palestine: a cross-sectional study. *BMC Ophthalmology*, 2020; 13;20(1):26. <https://doi.org/10.1186/s12886-019-1290-z>
16. **Bakkar MM**, AlMasri Shifa. Assessment of potential toxicity of rigid gas permeable (RGP) contact lens care solutions on cultured epithelial cells. *Cont Lens Anterior Eye*, 2018. <https://doi.org/10.1016/j.clae.2018.04.005>
17. Haddad MF, Khabour OF, Alzoubi KH, **Bakkar MM**. Public attitudes toward corneal donation in northern Jordan. *Clinical Ophthalmology*, 2018; 12:1973-1980. <https://doi.org/10.2147/opth.s181022>
18. **Bakkar MM**, Alzghoul EA, Haddad MF. Clinical characteristics and causes of visual impairment in a low vision clinic in northern Jordan. *Clinical Ophthalmology*, 2018 12:631-637. <https://doi.org/10.2147/opth.s153754>

19. **Bakkar MM**, Haddad MF, AL Qadire M. Patient-related barriers to Rigid Gas Permeable (RGP) lens wear among keratoconus patients in Jordan. *Cont Lens Anterior Eye*, 2017; 41(3):267-272. <https://doi.org/10.1016/j.clae.2017.12.007>
20. **Bakkar MM**, Haddad MF, Gammoh YS. Awareness of diabetic retinopathy among patients with diabetes mellitus in Jordan. *Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy*, 2017; 10: 435–441. <https://doi.org/10.2147/dmso.s140841>
21. Haddad MF, **Bakkar MM**, Abdo N. Public awareness of common ocular diseases in Jordan. *BMC ophthalmology*, 2017; 17: 1-7. <https://doi.org/10.1186/s12886-017-0575-3>
22. Haddad MF, **Bakkar MM**, Gammoh Y, Morgan P. Trends of contact lens prescribing in Jordan. *Cont Lens Anterior Eye*. 2016; 39: 385-8. <https://doi.org/10.1016/j.clae.2016.06.004>
23. **Bakkar MM**, Shihadeh WA, Haddad MF, Khader YS. Epidemiology of symptoms of dry eye disease (DED) in Jordan: A cross-sectional non-clinical population-based study. *Cont Lens Anterior Eye*. 2016; 39: 197–202. <https://doi.org/10.1016/j.clae.2016.01.003>
24. **Bakkar MM**, Hardaker L, March P, Morgan PB, Maldonado-Codina C, Dobson CB. The cellular basis for biocide-induced fluorescein hyperfluorescence in mammalian cell culture. *PLoS One*. 2014; 28: 1-5. <https://doi.org/10.1371/journal.pone.0084427>
25. **Bakkar MM**, Morgan PB, Maldonado-Codina C, Dobson CB. Hyperfluorescence of lysed cells using an in vitro model. *Cont Lens Anterior Eye*. 2013.E-Abstract <https://doi.org/10.1016/j.clae.2013.08.017>
26. **Bakkar MM**, Maldonado-Codina C, Morgan PB, Dobson CB. Development of an in-vitro model of solution induced corneal staining. *Optom Vis Sci*. 2010; 87 E -Abstract

## **SELECTED LECTURES AND PRESENTATIONS IN REGIONAL AND INTERNATIONAL CONFERENCES**

1. Emirate society of Ophthalmology (ESO) Conference February 2025, talk:  
**Epidemiology of dry disease, assessment and management in the Middle East,**  
Abu Dhabi, UAE
2. 8<sup>th</sup> Jordanian Palestinian conference (JoPal), 18<sup>th</sup> April 2024, talk: **Contact lens education and new approaches for assessment and management of dry eye during contact lens wear.** Amman, Jordan

3. Middle East and Africa Council of Ophthalmology (MEACO) Congress 29 November -2 December 2024, talk: **Evidence-based teaching in contact lenses, Muscat, Oman.**
4. Role of Optometry Profession in Eye and Vision Care Conference (organized by the Jordanian Association of Optometrists (JAO) in collaboration with the Jordanian Optometric Syndicate (JOS). May 2022, talk: **Contact lens induced dry eye (CLIDE): mechanism, assessment and management.** Amman, Jordan.
5. International Association of Contact lens virtual conference, September 2020, talk: **My experience with IACLETOP –flashcards.**
6. Online Optometry Learning Series (OOLS), December 2020, talk: **Meibomian Gland Dysfunction during Contact Lens Wear.**
7. Middle East and Africa Council of Ophthalmology, September 2019, **An update on orthokeratology for myopia control**, The dead sea, Jordan.
8. Netherland Contact Lens Congress NCC, March 2018, **Assessment of RGP contact lens solutions using an in vitro model**, Eindhoven, the Netherlands
9. Jo Vision conference, April 2017. Talk “**Management of keratoconus patients in Jordan**”, Amman, Jordan.
10. Jordanian Palestinian Optometry second conference (JOPAL), March 2016. Talk: **“presentation about the role and mission of International Association of Contact Lens Educators (IACLE)”**, co-presented with Professor Shehzad Naroo (UK) the head of IACLE, Amman, Jordan
11. Jordanian Palestinian Optometry second conference (JOPAL), March 2016. Talk: **“The role of optometrist in community eye care”**, Amman, Jordan.
12. Vision X Dubai, December 2014, talk “**dry eye disease in Jordan**”, Dubai, UAE.
13. British Contact Lens Association (BCLA) clinical conference, June 2013. Talk: **“assessment of solution induced staining using deliberately lysed cells”**, Manchester, UK
14. International Association of Contact Lens Research (ISCLR), August 2011. Talk:



**“Underlying mechanisms of sodium fluorescein staining using an in vitro model of solution-induced corneal staining (SICS)”**, CA, USA.

15. British Contact Lens Association (BCLA) clinical conference, May, 2011. Talk: **“Underlying mechanisms of sodium fluorescein staining using an in vitro model of solution-induced corneal staining (SICS)”**, Manchester/UK
16. American Academy of Optometry Meeting (AAO) 2010. Talk: ***“Development of an In Vitro Model of Solution Induced Corneal Staining (SICS)”***, CA, USA.
17. Eye Care Academy (ECA) of CIBA Vision November 2008. Talk: **“Contact Lens-Related Complications”**, Dead Sea, Jordan.

### **AWARDS AND HONORS**

1. **“Educator of the Year”** award in Europe, the Middle East and Africa, Awarded by the International Association of Contact Lens Educators (IACLE), June 2023, Birmingham, UK.
2. **Travel award** to attend the third world council WC3 of International Association of Contact Lens Educators (IACLE), May 2015. Manchester, UK
3. **Student travel award** awarded by the International Association of Contact Lens Research (ISCLR) August 2011. Silverado /CA, USA.
4. The dean’s honour list (received 8 times between 1999-2003), Faculty of Applied Medical Sciences/Jordan University of Science and Technology.
5. The distinguished student award as ranked the first on class 1999 with cumulative average of 87.8%, Faculty of Applied Medical Sciences/Jordan University of Science and Technology with an award of a full MSc and PhD scholarship.

### **SPECILISED TRAINING COURSES**

1. Training course "Advance E learning teaching" The Academic Development Centre/ Jordan University of Science and Technology, Jordan, March 2022.

2. Training course "Research Excellence: From Application To Publication". The Academic Development Centre/ Jordan University of Science and Technology, Jordan, January 2020.
3. Training course "Online Learning design" The Academic Development Centre/ Jordan University of Science and Technology, Jordan, December 2018.
4. Training course "Problem Based Learning (PBL)" The Academic Development Centre/ Jordan University of Science and Technology, Jordan, July 2017
5. Training course "Testing and Evaluation of University Examinations" 12 hours, The Academic Development Centre/ Jordan University of Science and Technology, Jordan, February 2015.
6. Training course "Data handling and SPSS statistical package use" 12 hours, The Academic Development Centre/ / Jordan University of Science and Technology, Jordan, 20-21 May 2013.
7. Training course " Graduate Teaching Assistants" / PGTA's certificate. The University of Manchester/UK, 2009.
8. Pediatric Low Vision Course. Ebsar Foundation in association with MEACO/ Manama, Kingdom of Bahrain, 4-6 December 2007.
9. Training course "Communication, Complication and Astigmatism in Contact Lens Practice, the Vision Care Institute of Johnson and Johnson, Prague, Czech Republic, 14-16 August 2006.
10. Glaucoma Diagnosis and Management Workshop, Manchester Royal Eye Hospital, Manchester UK, June 2005.

### **TEACHING EXPERTISE**

I have provided coordinating and teaching the following courses:

- Contact lenses 1 (Theoretical and practical)
- Contact lenses 2 (Theoretical and practical)

- Ocular diseases
- Community eye care
- Research project
- Ophthalmic investigation and special testing (Theoretical and practical)
- Clinical Optometry

### **RESEARCH SUPERVISION AND THESIS COMMITTEES (MASTER STUDENTS)**

#### **Principal Advisor:**

1. Thesis title: *An investigation of potential toxicity of contact lens solution on cultured epithelial cells*. By: Alshifa Almasri, MS in biology, July 2017, Jordan University of Science and Technology (*Defended*)

#### **Co- Advisor**

1. Thesis title: Optometrist Attitudes towards Keratoconus Patients in the West Bank: A survey-based study, student: Aya Masharqa, Arab American University of Palestine, Ramallah, West bank (Plan to be defended in September 2025)

#### **Internal Examiner**

1. Thesis title: *cross-cultural adaptation measurement properties of the Arabic version of the revised low vision independent measure*. By: Lana AL-Aquily, MSc rehabilitation Sciences, February 2022, Jordan University of Science and Technology (*Defended*)

#### **External Examiner:**

1. Serve as a consistent external examiner at The University of Buraimi in evaluating fourth-year optometry research projects, University of Buraimi , Sultanate of Oman.
2. Thesis title: *Development of a keratoconus management model for school children in Nairobi county, Kenya* by Zahra Aly Rashid, in fulfilment of the requirements for the degree of Doctor of Philosophy (PhD) Health Sciences (2023), University of KwaZulu-Natal, South Africa.

3. Thesis title: *a district-based model for keratoconus management in the Capricorn district of Limpopo province, south Africa*, by pwn Nkoana, in fulfilment of the requirements for the degree of Doctor of Philosophy (PhD) Health Sciences (2022), University of KwaZulu-Natal, South Africa.
4. Thesis title: *A study of diabetic retinopathy in Jordan: progression, quality of life and lifestyle*. By: Ayaa Rababaa, MSc in Vision rehabilitation (2017) German-Jordan University.
5. Thesis title: *Comparing the functional effects of different types of filter lenses with their perceived benefits by students with low vision*. By: Mohammad Melhem, MSc in Vision rehabilitation (2017) German-Jordan University.
6. Thesis title: *Impact of eccentric viewing training on the visual functions and on the quality of life for children with progressive retinal dystrophies*. By: Asmaa Qadummi, MSc in Vision rehabilitation (2016) German-Jordan University.
7. Thesis title: *Effects of Low Vision Services on the Academic Achievement of University Students with Low Vision*. By: Ala'a Nazzal, MSc in Vision rehabilitation (2017) German-Jordan University.
8. Thesis title: *raining and provision of visual aids for distance tasks in children with low vision and nystagmus*. By: Moayad Al-Deek, MSc in Vision rehabilitation (2015) German-Jordan University.
9. Thesis title: *iStimulation: effectiveness of the iPad applications in vision stimulation for children with visual impairment and other disability*. By: Maysa Obeid , MSc in Vision rehabilitation (2015) German-Jordan University.

### **MEMEBERSHIP OF COMMITTEES AND PROFESSIONAL BODIES**

- **Ambassador** of the International Association of Contact Lens Educators (IACLE) in the Middle East
- **Advisor of JUST-VOSH chapter.**
- **Fellow** of the International Association of Contact Lens Educators (IACLE)
- **Member** of the Tear film and Ocular Society (TFOS)
- **Member** in the General Association of Optics/ Jordan
- **Member** in the Jordanian Association of Optometrist /Jordan

- **Member** in Ebsar Foundation and the National Committee for Prevention of Blindness in KSA.
- **Reviewer** in the following journals
  - Contact lens & Anterior Eye
  - Clinical Optometry
  - Clinical Ophthalmology
  - International Journal of Ophthalmology
  - Optometry and Vision Science
  - International ophthalmology
  - Clinical and Experimental Optometry
  - Plos1
  - BMC ophthalmology
- **Member** in the following committees in the department and faculty
  - Quality assurance of academic courses committee (member)
  - Community service committee (member)
  - Clinical training committee (member)
  - Scientific days and conferences committee (member)
  - Library committee (member)
  - Courses equalization committee (member)
  - Academic promotion committee (member)
  - Department research committee

### **COMMUNITY SERVICE**

- Leader of a campaign to assess vision anomalies in children with developmental delay including Autism, Down Syndrome at Al-Awj Centre for children with special needs.
- Principal coordinator from JUST for establishing the first specialized keratoconus clinic in northern Jordan. In this project we aim to increase awareness of keratoconus disease and its management among affected patients and their families. A proper management protocol of the disease will be provided for the patients.

- Member in the Community service committee in the Faculty of Applied Medical Sciences since 2013.
- Coordinator, participant, and clinical advisor in the field of optometry, provide consultations to patients in the community at different sites in Irbid/Jordan during free medical days organized by Faculty of Applied Medical Sciences at Jordan University of Science and Technology since 2013.

In summary, I have served the following Duties during my work at JUST

- A)** Teaching and conducting examinations.
- B)** Carrying out innovative research and studies.
- C)** Supervising graduate theses and scientific or social research, guiding students academically and ethically, and monitoring their activities and reports.
- D)** Providing academic advising.
- E)** Participating in university councils and committees, as well as in those in which the university is represented.
- F)** Undertaking any activity that promotes the university and contributes to its advancement.
- G)** Serving the community and contributing to its development.

## **REFERENCES**

1. Prof Shehzad Naroo, Reader, School of Life and Health Sciences, Aston University, UK. Vice President of International Association of Contact Lens Educators (IACLE)  
Email: [s.a.naroo@aston.ac.uk](mailto:s.a.naroo@aston.ac.uk)
2. Dr Carole Maldonado-Codina, Senior Lecturer in Optometry and Associate Director of Eurolens Research Group  
The University of Manchester, UK. Email: [carole.m-codina@manchester.ac.uk](mailto:carole.m-codina@manchester.ac.uk)