Abdelrahman F. Yousef

Department of Mathematics and Statistics
College of Arts and Sciences
American University of Sharjah
PO Box 26666, Sharjah
United Arab Emirates
Cell Phone: +971552187971
Office Phone: 2727
E-mail: afyousef@aus.edu
E-mail: abd.yousef@ju.edu.jo

Education

The University of Toledo, Toledo, Ohio, USA
- Ph.D., Mathematics, September 2005- May 2009.
- Thesis title: "Two Problems in the Theory of Toeplitz Operators on the Bergman Space "

The University of Jordan, Amman, Jordan
- M.Sc, Mathematics, June 2002

Yarmouk University, Irbid, Jordan
- B.Sc, Mathematics, June 1998

Research Interest

- Operator Theory and Functional Analysis.

Awards and Scholarships

The University of Toledo, Toledo, Ohio, USA.
- Fern Welker Mervos Math award for excellence in academic achievements , Spring 2008.
- Fern Welker Mervos Math award for excellence in academic achievements, Spring 2007.
- University of Toledo Teaching assistantship, 2005-2009
- Honorary Certificate from the **Pi Mu Epsilon National Honorary Mathematics Society**, Spring 2008.

University of Jordan, Amman, Jordan.
- Graduate School award for excellence, 1999-2002.

Experience

(1) **American University of Sharjah (2019-present):**

Department of Mathematics and Statistics
College of Arts and Sciences
American University of Sharjah
P.O. Box 26666
Sharjah, UAE

Visiting Associate Professor, Aug. 2019 - present.

(2) **The University of Jordan (2010-present):**

Mathematics Department
School of Science
The University of Jordan
Queen Rania St.
Amman 11942, Jordan.

- Associate Professor, Sep. 2014 - present.
- Assistant Professor, Sep. 2010 - Sep. 2014.
- Teaching Assistant, Sep. 1999 - Jun. 2002.

(3) **The University of Toledo (2005 - 2010):**

Dept of Math and Statistics
Mail Stop 942
The University of Toledo
2801 W. Bancroft St.
Toledo, OH 43606-3390
USA

- Instructor (teaching assistantship), Aug. 2005 - Aug. 2009.
- Assistant Professor, Aug. 2009 - Jun. 2010.

(4) **Owens Community college (2009 - 2011):**

30335 Oregon Road
Perrysburg, OH 43551
USA

- Adjunct Assistant Professor, Jun. 2009 - Dec. 2011.

(5) **Lourdes University (2007 - 2009):**

Lourdes University
6832 Convent Blvd.
Sylvania, OH 43560
USA

- Through an agreement between the University of Toledo and Lourdes University, I worked as a part time tutor and academic coach at Academic Success Center(previously named WIN center) in the period from Feb. 2007 to May. 2009.

(6) **Petra University (2004 - 2005):**
Amman, Jordan.

- Lecturer, Sep. 2004 - Aug. 2005.

(7) **Al-ahliyya Amman University (2002 - 2004):**
Amman, Jordan.

- Lecturer, Sep. 2002 - Aug. 2004.

Adminstration Service

- I served as the Dean's Assistant for Accreditation and Quality Assurance in the School of Science at the University of Jordan (from Sep. 2016 to Sep. 2018).

Courses Taught

I have taught the following courses:
- College Algebra. In class/ online.
- Trigonometry. In class/ online.
- Precalculus. In class/ online.
- Calculus I, II, III. In class/ online.
- Calculus I, II for Biology and Medicine. In class/ online.
- Calculus I, II for Business. In class/ online.
- Linear Algebra.
- Differential Equations I, II.
- Partial Differential Equation.
- Numerical Analysis.
- Discrete Mathematics.
- History of Mathematics.
- Real Analysis.(I taught this course in class and online)
- Mathematical Analysis I, II
- Functional Analysis (Graduate level)
- Complex Analysis (Graduate/undergraduate levels).
- Measure Theory (Graduate)(I taught this course in class and online)
- Matrix Analysis (Graduate)
- Operator Theory (Graduate)
- Inequalities (Graduate)

- **I have supervised ten masters students and two Ph.D. students.**

Committee Service

I have served in the following committees at the University of Jordan:
- Department of Mathematics accreditation committee.
- School of Science accreditation committee.
- The University of Jordan higher accreditation committee.
- Curriculum Committee.
- Council of School of Science Committee.
- Graduate Studies Committee.
- Schedule committee.
- Student guidance committee.
- Social committee.
- Library Committee.

Publications

- A. Yousef, I. Louhichi and N.V. Rao, **Two questions on products of Toeplitz operators on the Bergman space**, *Comp. anal. oper. theory.* Volume 3, pages 881-889 (2009).

- Abdelrahman Yousef, **Commutants of a Toeplitz operator with a certain harmonic symbol**. *J. applied functional analysis.* Volume 8, NO'S. 3-4, pages 317-322 (2012).

- Abdelrahman Yousef and R. Khalil , **Isometries of p-nuclear operators**. *J. computational analysis and applications.* Volume 16, no.2, (2014).

- A. Yousef, M. Sababheh and R. Khalil, **Operator-norm inequalities and interpolated trace inequalities**. *Linear and multilinear algebra.* Volume.63, No.3, pages 455-465 (2014).

- R. Khalil, M. Horani, A. Yousef and M. Sababheh, **A new definition of fractional derivative**. *Journal of computational and applied mathematics .* Volume 264, pages 65-70 (2014).

- M. Sababheh, A. Yousef and R. Khalil, **Interpolated Young and Heinz inequalities**. *Linear and multilinear algebra.* Volume 63, Issue 11, pages 2232-2244 (2015).

- M. Sababheh, A. Yousef and R. Khalil, **On the invariant subspace problem**. *B malay. math. sci. so..* Volume 39, Issue 2, pp. 699-705 (2016).

- SH. Al-Shareef, Y.Jebreel, A. Yousef, **Some results on generalized Toeplitz operators on generalized Hardy space**. *TWMS J. app. eng. math.* Volume 6, N.2 , pp. 185-192 (2016).

- M. Sababheh, A. Yousef and R. Khalil, **Uniquely remotal sets in Banach spaces**. *Filomat.* Volume 31, issue 9, pages 2773-2777 (2017).

- Roshdi R Khalil, Abdelrahman Yousef, M. Al Horani H Horani, M. Sababheh, **Fractional analytic functions**. *Far east journal of mathematics.* Volume 103, Issue 1, pages 113 - 123 (2018).

- M. Sababheh and A. Yousef, **The interpolation of Young's inequality using dyadics**. *Journal of Inequalities and Applications.* (2019:140), DOI: 10.1186/s13660-019-2093-8.

- A. Yousef and R. Al-Naimi, **On Toeplitz operators with biharmonic symbols**. *The Bulletin of the Malaysian Mathematical Society Series 2.* Volume 43(2), pp.1647-1659 (2020).

- A. Yousef, R. Khali and B. Mutabaqani, **On the farthest point problem in Banach spaces**. *J. computational analysis and applications.* Volume 29(1), pp.123-128 (2020).

- R. Humberto, J.E. Restrepo, D. Suragan, A. Yousef, **Generalized Hölder type spaces described by Djrbashian's generalized fractional operator**.(2021) Submitted.

- A. Yousef, M. Alakhrass, **Some results on generalized numerical radius**. (2021) Submitted.

- A.Yousef, R. Khalil, A. Talafha, B. Mutabaqani, **On the farthest point problem in Hilbert spaces**. Accepted in *Functional Analysis and it's Applications*. (2021).

- A. Yousef, S.A. Khuri, I. Louhichi, **A NUMERICAL INVESTIGATION OF THE BUCKLING OF DOUBLY CLAMPED NANO-ACTUATORS GOVERNED BY AN INTEGRO-DIFFERENTIAL EQUATION**. Accepted in Journal of Mathematical Sciences. (2021).

Conferences and Workshops

- Modern Methods, Problems and Applications of Operator Theory and Harmonic Analysis Conference, April 21-26, 2019. Southern Federal University, ROSTOV-On-Don, Russia.

- Modern Methods, Problems and Applications of Operator Theory and Harmonic Analysis Conference, April 22-27, 2018. Southern Federal University, ROSTOV-On-Don, Russia.

- 34th Southeastern Analysis Meeting (SEAM) conference, March 23-25, 2018. Georgia Tech, Mathematics department, Atlanta, Georgia, USA.

- ABET symposium, April 20-21 (2017). Baltimore, Maryland, USA.

- ABET Fundamentals of Program Assessment Workshop held April 22, 2017. Baltimore, Maryland, USA.

- ABET Self-Study Development Workshop held April 19, 2017. Baltimore, Maryland, USA.

- Great Plains Operator Theory Symposium (GPOTS 2016) May 23–27 2016 at the University of Illinois at Urbana-Champaign, Illinois, USA.

- Great Plains Operator Theory Symposium (GPOTS 2014) May 27–31 2014 at Kansas State University, Manhattan, Kansas, USA.

- International Workshop On Pure And Applied Mathematics, May 31– Jun 2 2015, University of Tabuk, Tabuk, KSA.

- Southeastern Analysis Meeting XXVIII, Tuscaloosa, The University of Alabama, USA. March 2012.

- Recent Advances in Function Related Operator Theory Conference, Rincon of the Seas, Puerto Rico, March 2010.

- RTG Conference on Complex Dynamics, University of Michigan, Ann Arbor, MI, USA. December 04-06, 2009.

- Representation Theory and Mathematical Physics Conference in honor of Gregg Zuckerman's 60th, Yale University, New Haven, CT, USA. October 23-27, 2009.

- New Perspectives in Geometric Analysis, University of Toledo, Toledo, Ohio, May 2006.

References

- Prof. Roshdi Khalil,
  Mathematics Department,
  The University of Jordan,
  Amman 11941, Jordan.
  Email: roshdi@ju.edu.jo, Mobile: +962777496378.

- Prof. Mohammad Raqab,
  Department Head,
  The University of Jordan,
  Amman 11941, Jordan.
  Email: mraqab@ju.edu.jo, Mobile: +962795910144.

- Prof. Bassam Hasan,
  College of Business and Innovation
  The University of Toledo,
  Toledo, OH 43607, USA.
  Email: bassam.hasan@utoledo.edu.
  Mobile: +1(734)347-8351.