

# Mohammad Sababheh

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## CONTACT INFORMATION

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## PERSONAL WEBSITE

<https://sites.google.com/psut.edu.jo/sababheh>

## CITIZENSHIP

Jordanian

## BIOGRAPHY

Mohammad Sababheh is a professor of Mathematics working mainly in the field of Mathematical Analysis. Sababheh attended McGill University during 2003-2006 for his Ph.D. After that, he joined the University of Jordan as an assistant professor from September 2006 to January 2008, when he joined PSUT. Sababheh has received several acknowledgments for his teaching quality; where he was awarded teaching awards from McGill University, Princess Sumaya University for Technology and the University of Sharjah. In his research, Sababheh authored several research papers in Harmonic analysis, Functional analysis and Operator theory; with emphasis on Operator and Functional inequalities. His research has been acknowledged to rank him in the top 2% best researchers in the world, according to the 2020 report that was conducted by researchers from Stanford University and Elsevier. Although teaching and research are the main concerns to him, Sababheh has served as the Head of the department of Sciences and Humanities and the Dean of the School of Graduate studies and Scientific Research, during 2018-2020. Starting September 2020, he has been appointed as the associate vice president for administrative affairs in PSUT.

## RESEARCH INTERESTS

Hardy's Inequality On The Circle and On the Line. Study Of Farthest Points In Banach Spaces. Inequalities in operators theory.

## EDUCATION

**McGill University**, Montreal, Quebec, Canada.

Ph.D., Pure Mathematics- Classical Harmonic Analysis, January 2003 - June 2006.

- Thesis Title: Constructions Of Bounded Functions Related To Two-Sided Hardy Inequalities.
- Supervisor: Professor Ivo Klemes
- Area of Study: Harmonic Analysis.

**Jordan University Of Science And Technology**, Irbid, Jordan.

M.Sc. , Applied Mathematics, January 2001 - August 2002.

- Thesis Title: Sinc Interpolation On  $[0, 2\pi]$ .
- Supervisor: Professor Abdul Majid Nusayr
- Area of Study: Applied Mathematics.

**Yarmouk University**, Irbid, Jordan.

B.S., Mathematics, September 1997 - June 2000.

AWARDS AND ACKNOWLEDGMENTS

Researchers' databases

- Listed among the best 2% researches world-wide in the science-wide author databases.

University of Sharjah

- Distinguished teacher award, 2015-2016.

Princess Sumaya University for Technology

- The best teacher award, 2011-2012.

McGill University

- Full scholarship from the department of Mathematics for my Ph.D. study, 2003-2006
- Graduate Fellowship, Honorable Mention, 2003
- Best Teacher award, Fall 2004 and Winter 2005.

Yarmouk University

- Dean's Distinguished University Certificate, 1998, 1999
- Dean's honor list, 1997-2000
- Two certificates from "The Problem Of The Month" competition which is organized by Oklahoma University.
- University Scholarship for outstanding students, 1998-1999.

ACADEMIC EXPERIENCE

**McGill University**, Montreal, Quebec, Canada

- Teaching assistant, 2003-2006  
Includes research and course work.
- Instructor (Summers 2005, 2006)

**Philadelphia University**, Amman, Jordan

- Instructor, Summer 2006

**Jordan University**, Amman, Jordan

- Assistant Professor, 2006-2008

**Princess Sumaya University For Technology**, Amman, Jordan

- Associate vice president for administrative affairs, September 2020-present.
- Dean of School of Graduate Studies and Scientific Research, September, 2018-September, 2020.

*My role as the dean of graduate studies and scientific research is to oversee and monitor all activities related to these two important pillars. Supporting the smart campus through these pillars has been one of my main goals. In 2019, we accomplished the automation of all graduate studies procedures.*

- Professor, September, 2017-present.
- Associate Professor, September, 2016- August 2017.
- Associate Professor, September, 2011- September 2013.
- Head of Science and Arts Department, September, 2008- September, 2011 .
- Assistant Professor, January, 2008- September, 2011.

**University of Sharjah** , Sharjah, UAE

- Associate Professor, September, 2013- August 2016.
- Associate Professor, September, 2017- August, 2018.

### Book Chapter

H. R. Moradi, S. Furuichi and **M. Sababheh**, *On the operator Jensen-Mercer inequality*, Operator Theory: Advances and Applications, 2021, 282, pp. 483–493.

### Accepted papers

- Z. Heydarbeygi, **M. Sababheh** and H. R. Moradi, *A convex treatment of numerical radius inequalities*, Czechoslovak Mathematical Journal, accepted.
- Shiva Sheybani, **M. Sababheh** and Hamid Reza Moradi, *Weighted Inequalities For The Numerical Radius*, Vietnam Journal of Mathematics, accepted.
- **M. Sababheh**, S. Furuichi and H. Moradi, *Composite Convex Functions*, Journal of Mathematical inequalities, accepted.
- H. Moradi and **M. Sababheh**, *New estimates for the numerical radius*, Filomat, accepted.
- S. Sahoo and **M. Sababheh**, *Hilbert-Schmidt numerical radius of block operators*, Filomat, accepted.
- **M. Sababheh** and H. R. Moradi, *Separated spectra and operator inequalities*, Hacettepe Journal of Mathematics and Statistics, accepted.
- H. R. Moradi, S. Furuichi, Z. Heydarbeygi and **M. Sababheh**, *Revisiting the Grüss inequality*, Operators and Matrices, accepted.
- G. Karamali, H. R. Moradi and **M. Sababheh**, *More About operator order preserving*, Rocky mountain J. Math., accepted.
- **M. Sababheh**, S. Furuichi, Z. Heydarbeygi, and H. R. Moradi, *On the arithmetic-geometric mean inequality*, Journal of Mathematical inequalities, accepted.

### Journal Publications in 2021

- Y. Bedrani, F. Kittaneh and **M. Sababheh**, *From positive to accretive matrices*, Positivity, (May 2021). Doi: 10.1007/s11117-021-00831-8
- H. Moradi, S. Furuichi and **M. Sababheh**, *A sharper bound for the Jensen's operator inequality*, Journal of nonlinear and convex analysis, 22(4)(May 2021), 747-757.
- **M. Sababheh** and H. R. Moradi, *Radical convex functions*, Mediterranean Journal of Mathematics, 18, 137 (May 2021). <https://doi.org/10.1007/s00009-021-01784-8>.
- S. Furuichi, H. R. Moradi and **M. Sababheh**, *New inequalities for interpolational operator means*, Journal of Mathematical inequalities, 15(1)(March 2021), 107-116.
- Y. Bedrani, F. Kittaneh and **M. Sababheh**, *On the weighted geometric mean of accretive matrices*, Annals of functional analysis, 12(1)(January 2021), Article No. 2.
- Y. Bedrani, F. Kittaneh and **M. Sababheh**, *Numerical radii of accretive matrices*, Linear and multilinear algebra, 2021, 69(5), pp. 957–970.
- S. Sahoo, N. Rout, **M. Sababheh**, *Some extended numerical radius inequalities*, Linear and multilinear algebra, 2021, 69(5), pp. 907–920.

- H. R. Moradi, **M. Sababheh**, *More accurate numerical radius inequalities II*, Linear and multilinear algebra, 69(5) (March 2021), pp. 921–933.

#### Journal Publications in 2020

- I. Gumus, H. R. Moradi and **M. Sababheh**, *Further subadditive matrix inequalities*, Mathematical inequalities and applications, **23**(3) (July 2020), 1127-1134.
- T. H. Dinh, H. R. Moradi and **M. Sababheh**, *On the Pólya-Szegő operator inequality*, Hacettepe Journal of Mathematics and Statistics, **49** (5) (2020), 1744 – 1752.
- **M. Sababheh**, H. R. Moradi, I. Gumus, *Some new operator inequalities*, Operators and Matrices, **14**(1)(Jan. 2020), 105-115.
- M. Alakhrass, **M. Sababheh**, *Lieb Functions and Sectorial Matrices*, Linear Algebra and Its Applications, **586**(Feb. 2020), 308-324.
- **M. Sababheh**, H. R. Moradi and S. Furuichi, *Reversing Bellman operator inequality*, Journal of Mathematical inequalities, 14(2) (2020), 577–584.
- M. Alakhrass, **M. Sababheh**, *Functional inequalities for positive matrices*, Linear and multilinear algebra, 2020, 68(12), pp. 2462–2472.
- Hamid Reza Moradi, Zahra Heydarbeygi, **M. Sababheh**, *Subadditive inequalities for operators*, Mathematical inequalities and applications, **23**(1) (Jan. 2020), 317-327.
- **M. Sababheh**, H. R. Moradi and S. Furuichi, *Integrals refining convex inequalities*, Bulletin of the Malaysian Mathematical Sciences Society, 43(3) (May 2020), 2817-2833.

#### Journal Publications in 2019

- H. R. Moradi, **M. Sababheh**, *Eigenvalue inequalities for  $n$ -tuple of matrices*, Linear and multilinear algebra, accepted.
- **M. Sababheh**, H. R. Moradi, *More accurate numerical radius inequalities (I)*, Linear and multilinear algebra, accepted.
- **M. Sababheh**, H. R. Moradi and Zahra Heydarbeygi, *New inequalities for the generalized Karcher mean*, Linear Algebra and Its Applications, **580** (Nov. 2019), 184-199.
- **M. Sababheh** and Abdelrahman Yousef, *The interpolation of Young's inequality using dyadics*, Journal of inequalities and applications 2019: 140.  
<https://doi.org/10.1186/s13660-019-2093-8>
- **M. Sababheh**, H. Moradi, S. Furuichi, *Operator inequalities via geometric convexity*, Mathematical inequalities and applications, **22**(4) (Oct. 2019), 1215-1231.
- M. Alakhrass, **M. Sababheh**, *Matrix mixed mean inequalities*, Results in Mathematics, (2019) 74:2.
- S. Furichi, H. Moradi, **M. Sababheh**, *New sharp inequalities for operator means*, Linear and multilinear algebra, **67**(2019), 1567–1578.  
<https://doi.org/10.1080/03081087.2018.1461189>.
- **M. Sababheh**, *Heinz-type numerical radii inequalities*, Linear and multilinear algebra, 2019, 67(5), 953–964. doi.: 10.1080/03081087.2018.1440518.

### Journal Publications in 2018

- **M. Sababheh**, H. Moradi, S. Furichi, *Exponential inequalities for positive linear mappings*, Journal of function spaces, (2018), Article ID 5467413.
- I. Gumus, H. Moradi, **M. Sababheh**, *More accurate operator means inequalities*, Journal of Mathematical analysis and applications 465 (2018) 267–280.
- **M. Sababheh**, *Numerical radius inequalities via convexity*, Linear Algebra and Its Applications 549 (2018), 67–78.
- F. Kittaneh, M. S. Moslehian and **M. Sababheh**, *Quadratic interpolation of the Heinz means*, Mathematical Inequalities and Applications (MIA), 21 (3) (2018), 739–757.
- **M. Sababheh**, *On the matrix harmonic mean*, Journal of Mathematical Inequalities, 12(4) (2018), 901–920.
- **M. Sababheh**, *Extrapolation of convex functions*, FILOMAT, 32:1 (2018), 127–139.
- **M. Sababheh**, *Means refinements via convexity*, Mediterranean Journal of Mathematics, accepted.

### Journal Publications in 2017

- **M. Sababheh**, *Graph indices via the AM-GM inequality*, Discrete and applied mathematics, 230(4) (2017), 100-111.
- **M. Sababheh**, *Piecewise quadratic interpolation and applications to the Young inequality*, Results in Mathematics, 72 (2017), 1315-1328.
- **M. Sababheh**, *Quadratic refinements of matrix means*, Stud. Univ. Babeş-Bolyai Math., 62 (2017), 413-426.
- Y. Kapil, C. Conde, M.S. Moslehian, M. Singh, **M. Sababheh**, *Norm inequalities related to the Heron and Heinz means*, Mediterranean Journal of Mathematics, 14:213 (2017).
- F. Kittaneh, M. S. Moslehian and **M. Sababheh**, *Unitarily invariant norm inequalities for elementary operators involving  $G_1$  operators*, Linear Algebra and Its Applications, 513 (2017), 84–95.
- **M. Sababheh**, *Improved Jensen's inequality*, Mathematical Inequalities and Applications (MIA), 20 (2017), no. 2, 389-403.
- **M. Sababheh** and M. Sal Moslehian, *Advanced refinements of Young and Heinz inequalities*, Journal of Number Theory, 172 (2017), 178–199.
- D. Choi and **M. Sababheh**, *Inequalities related to the arithmetic, geometric and harmonic means*, Journal of Mathematical Inequalities, 11 (2017), 1-16.
- **M. Sababheh**, A. Yousef, R. Khalil, *Uniquely remotal sets in Banach spaces*, FILOMAT, 31:9 (2017), 3773-3777.
- **M. Sababheh**, *Convex functions and means of matrices*, Mathematical Inequalities and Applications (MIA), 20 (2017), no. 1, 29–47.

### Journal Publications in 2016

- **M. Sababheh**, *Convexity and matrix means*, Linear Algebra and Its Applications 506 (2016), 588–602. DOI: 10.1016/j.laa.2016.06.027
- **M. Sababheh**, D. Choi, *A complete refinement of Young's inequality*, Journal of Mathematical Analysis and Applications, 440 (2016) no.1, 379-393. DOI: 10.1016/j.jmaa.2016.03.049.
- **M. Sababheh**, *Log and Harmonically log-convex functions related to matrix norms*, Operators and Matrices, 10 (2016) no. 2, 453–465.
- **M. Sababheh**, *Integral Inequalities of the Heinz Means as Convex Functions*, Journal of Mathematical Inequalities, 10 (2016) no.2, 313–325.

#### Journal Publications in 2015

- **M. Sababheh**, *Interpolated Inequalities for Unitarily Invariant Norms*, Linear Algebra and its Applications, 475 (2015) 240–250. doi:10.1016/j.laa.2015.02.026.
- **M. Sababheh**, Yousef, A. and Khalil, R., *Interpolated Young and Heinz Inequalities*, Linear and Multilinear Algebra, 63 (2015) no.11, 2232–2244. DOI: 10.1080/03081087.2014.1000816.
- **M. Sababheh**, *Hardy-Type Inequalities for Functions Whose Fourier Transforms Have Gaps*, Journal of Contemporary Mathematical Analysis, 50 (2015) no.5, 246–252. DOI:10.3103/S1068362315050052.
- A. Yousef, **M. Sababheh**, R. Khalil, *Operator-Norm Inequalities and Interpolated Trace Inequalities*, Linear and Multilinear Algebra, 63 (2015), no. 3, 455–465.
- **M. Sababheh**, Yousef, A. and Khalil, R., *On The Invariant Subspace Problem*, Bulletin of the Malaysian Mathematical Sciences Society, 2015, DOI 10.1007/s40840-015-0135-z.

#### Journal Publications before 2014

- R. Khalil, M. Al Horani, A. Yousef and **M. Sababheh**, *A New Definition of Fractional Derivative*, Journal of Computational and Applied Mathematics, 264 (2014) 65–70.
- R. Khalil, S. Hayajneh, M. Hayajneh, **M. Sababheh**, *Remotality of exposed points*, Journal of Concrete and Applied Mathematics, VOL. 12, NO.'S 1-2, 94–101, 2014.
- **M. Sababheh** and Khalil, R., *New Results On Remotality In Banach Spaces*, Italian Journal of Pure and Applied Mathematics, No. 30, 2013, pp. 59–66.
- **M. Sababheh** and Khalil, R., *Proximality in Operator Spaces*, Scientiae Mathematicae Japonicae, e-2012, 249–257.
- **M. Sababheh**, *Hardy's Inequality and Bounded Linear Functionals*, Dirasat, Vol.(38), No.(2)2011, pp. 115–121.
- **M. Sababheh** and Khalil, R., *Remotal Points and a Krein-Milman Type Theorem*, *Journal of Nonlinear and Convex Analysis*, Vol.(12), Number 1, 2011, pp.5-15.
- Khalil, R. and **M. Sababheh**, *A Study of Uniquely Remotal Sets*, *Journal of Computational Analysis and Applications*, Vol.(13), No. 7, 2011, pp. 1233–1239.
- **M. Sababheh**, *Hardy Inequalities On The Real Line*, *Canadian Mathematical Bulletin*, Vol. (54) (1), 2011, pp. 159–171 .

- **M. Sababheh**, A Study Of The Real Hardy Inequality, *Journal Of Inequalities In Pure And Applied Mathematics*, Vol.(10) 2009, Issue 4, Article 104.
- **M. Sababheh** and Khalil, R., Remarks On Remotal Sets In Vector Valued Function Spaces, *The Journal Of Nonlinear Science And Its Applications*, Vol.(2)(2009), Issue 1, pp. 1–10.
- **M. Sababheh** and Khalil, R., Remotality Of Closed Bounded Convex Sets In Reflexive Spaces, *Numerical Functional Analysis And Optimization* (**29**)(09-10), 2008, pp. 1166–1170.
- **M. Sababheh**, Hardy-Type Inequalities On The Real Line, *Journal Of Inequalities In Pure And Applied Mathematics*, Vol.(9) 2008, Issue 2, Article 72.
- **M. Sababheh**, On An Argument Of Korner And Hardy’s Inequality, *Analysis Mathematica*, Vol.(34) 2008, pp.51–57.
- **M. Sababheh**, Two-Sided Probabilistic Versions Of Hardy’s Inequality, *Journal Of Fourier Analysis And Applications*, 2007, pp. 577–587.
- **M. Sababheh**, Nusayr, A. and Al-Khaled K., Some Convergence Results On Sinc Interpolation, *Journal Of Inequalities In Pure And Applied Mathematics*, Vol.(4) 2003, Issue 2, Article 32.

RESEARCH  
SEMINARS

- Mathematical inequalities via convexity, Mutah University seminar series, 31, March, 2021.
- Inequalities of convex functions, Committee of science seminar series, Royal scientific society, 14, February, 2021.
- More accurate numerical radius inequalities, Princess Sumaya University for technology, March 2020.
- Research and development in the Arab world, The seventh Arab forum for scientific research and sustainability, 17-19 December, 2019, Amman, Jordan.
- Recent advances in some numerical and operator inequalities, Princess Sumaya University for Technology, March 2019.
- Recent advances in Some Operator Inequalities: From the scalar version to the operator version, Khalifa University, December 2018.
- Recent progress in some operator-related inequalities, University of Jordan, November 2018.
- Recent refinements of means inequalities, University of Sharjah, May 2016.
- How much further the Young inequality can be refined, American University of Sharjah, April 2016.
- The recent refinements of Young’s inequality, Qatar University, April 2016.
- Young’s inequality revisited, 14th annual UAE Math day, March 2016, New York University, Abu Dhabi.
- The Idea of the New Interpolation of Young’s Inequality, University of Sharjah , March 2015.
- The continuous Hardy inequality, 13th annual UAE Math day, March 2015, Sorbonne University, Abu Dhabi.
- Hardy-Type Inequalities, 12th annual Math day, April 2014, American University of Dubai.
- Singletoness of remotal sets, Analysis Seminar, Sharjah University. October 2013, Sharjah, UAE.
- Remotality in normed linear spaces, Analysis Seminar, Jordan University. February 2008, Amman, Jordan.

- On Hardy's inequality. Analysis Seminar, Jordan University. November 2006, Amman, Jordan.
- Constructive proofs of Hardy-type inequalities, Analysis Seminars, McGill and Concordia Universities. February 2006, Montreal, Canada.

#### NON RESEARCH SEMINARS

- PSUT promotion regulations, Wednesday, September 16th, 2020.
- PSUT faculty regulations, Tuesday, September 15th, 2020.
- PSUT new research incentives system, January 2020.
- PSUT regulations, September 2019.
- Scientific research; regulations overview, PSUT, September 2018.
- Soft Archiving, University of Sharjah , May 2015.

#### SUPERVISED STUDENTS

- Yassine Bedrani, Ph.D. in Mathematics, the University of Jordan, February 2019-April 2021.  
Thesis title: Some new inequalities for matrix means.

#### CONFERENCES

- More Accurate Numerical Radius Inequalities (II), The Third International Conference on Mathematics and Statistics AUS-ICMS '20, American University in Sharjah, UAE, 6-9 February, 2020.
- Promoting and sustaining a research culture: Best practices to achieving excellence in research, QS-Maple 2019, UAE, April 2019.
- A Hardy-type inequality for functions whose Fourier coefficients obey a certain rotation condition, International conference on theory and applications of Mathematics and Informatics, September 2015, Alba Lulia, Romania.
- Some remarks on the best generalization of Hardy's inequality, The third international conference on computer engineering and mathematical sciences, December 2014, Langkawi, Malaysia.
- Remotal and uniquely remotal sets, International conference: Mathematical science and applications, Abu Dhabi university. December 2013, Abu Dhabi, UAE.
- A Hardy inequality, The Second Conference on Mathematical Sciences, Zarqa University. November 2008, Zarqa, Jordan.

#### ATTENDED SEMINARS

- MAA Jordan - Introverts, Ambiverts and Extroverts and How They Lead and Follow, McGill Alumni seminar series, 2, April, 2021.
- Final event ceremony of the Europe project: JOVITAL, 23, March, 2021.
- Efficient Universities for 21st Century (zoom), National Erasmus+ Office in Jordan, 14, March, 2021.
- Climate Change and Sustainable Food Systems, science committee RSS, January 2021.
- Building the University of the Future, Coursera for Campus (Zoom) 14, October, 2020.
- Incites and Endnotes workshop, by Clarivate analytics, (Zoom) 21, July, 2020.
- MIT and Abdulhamid Shoman seed fund virtual workshop, (Zoom) 31, August, 2020.

#### REVIEWING ACTIVITIES

- Reviewer for the American Mathematical Society.



- Reviewer for ZbMath.
- Editor/ Reviewer for "IWMST-2016, International Workshop on Mathematics and Statistics", May 2016, Turkey.
- Reviewer for several journals: Communications in Mathematical Analysis. Jordan Journal of Mathematics and Statistics. Journal of Mathematical Inequalities. Operators and Matrices. Applications and Applied Mathematics. Journal of Inequalities and Applications. Bulletin of the Malaysian Mathematical society. Functional Analysis, Approximation and Computation. Applied Mathematics: a Journal of Chinese Universities. Journal of Inequalities and Special Functions. Linear and Multilinear algebra. Journal of Mathematical Analysis. Fasciculi Mathematici. International Journal of Automation and Control. Filomat. Rocky mountain journal of Mathematics. Journal of Mathematical and Statistical Analysis. Chaos, Solitons and Fractals. Applicable Analysis and Discrete Mathematics. Advances in Difference Equations. Kragujevac Journal of Mathematics. International Journal of Engineering Mathematics and Physics. Journal of function spaces. Revista de la Real Academia de Ciencias Exactas, Fisicas y Naturales. Serie A. Matematicas. Taiwanese J. Math. Mathematical inequalities and applications. Honam Mathematical journal. Book series: Operator Theory: Advances and Applications. AIMS Mathematics. Journal of Mathematical extension. Boletín de la Sociedad Matemática Mexicana. Problemy Analiza - Issues of Analysis. Ukrainian Mathematical Journal. Mathematica Slovaca. The journal of analysis. Montes Taurus Journal of Pure and Applied Mathematics. Open Mathematics. Advances in operator theory, Moroccan Journal of Pure and Applied Analysis. ScienceAsia. Journal of Mathematics. Applied Mathematics and Computation. Results in Mathematics.

#### OTHER ACTIVITIES

- Translation of the grade 12 Mcgraw-Hill series book. The translated book is now taught in the schools of Saudi Arabia and Bahrain.
- Translation of Mawheba project.

#### COURSES TAUGHT **Graduate Courses**

- Complex Analysis (Jordan University)
- Measure Theory (Jordan University)
- Engineering Analysis (Princess Sumaya University For Technology)
- Stochastic Processes (Princess Sumaya University For Technology)

**Undergraduate Courses** In the following table: PSUT stands for Princess Sumaya Univ. for Tech, UoJ stands for Univ. of Jordan, Phil. for Philadelphia Univ., UoS for Univ. of Sharjah and AUS for American Univ. of Sharjah.

University	PSUT	UoJ	McGill	Phil.	UoS	AUS
Pre-Calculus					√	
Bio Stat.				√		
Business Math.		√	√	√		
Intro. to Stat.		√				
Calculus I	√	√			√	
Calculus II	√	√			√	√
Calculus III	√	√	√			
Appl. Prob.	√					
Linear Algebra	√		√		√	
Ordinary Diff. Eq.	√	√			√	
Math. for Eng. I	√				√	
Math. for Eng. II	√					
Vector Calculus					√	
Anal. Met. for Eng.					√	
Anal. Meth. for Nuc. Eng.					√	
Numerical Analysis	√					
Discrete Math.	√					
Operation Research	√					
Found. of math.		√			√	
Real Anal.		√			√	
Mathematical Anal.		√				
Symbolic logic		√				
Selected topics					√	
Graduation project					√	
Abstr. Algebra II				√		
Topology					√	

## COMMITTEES

### **Princess Sumaya University For Technology**

- Committee of revamping selective and compulsory courses in Jordanian universities, Ministry of higher education, national level, Fall 2020.
- National committee for ethics in science and technology. September 2020-present.
- PSUT officer in the “Prince El Hassan bin Talal award for scientific excellence”, 2020.
- National committee for evaluating scientific research in Jordan, September 2020. National committee formed by the secretary of the higher council of science and technology.
- University administrative and logistic followup committee, September 2020-present. Chair.
- University tenders committee, September 2020-present. Chair.
- PSUT academic discipline appeal committee, September 2020-present. Chair.
- PSUT human resources committee, September 2020-present. Chair.
- PSUT health assurance committee, September 2020-present. Chair.
- PSUT student health assurance committee, September 2020-present. Chair.
- El Hassan library council, September 2020-present. Chair.
- PSUT academic committee in response to COVID-19.
- RSS Committee on science, May 2020-present.
- RSS campus strategic committee, September 2019- present.
- Multiple ad-hock committees.
- Promotion committee, September 2018- present.

- Deans council, September 2018- present.
- Scientific research council, September 2018- September 2020. Chair.
- Graduate studies council, September 2018- eptember 2020. Chair.
- Intellectual property committee, September 2018- September 2020.
- Curriculum committee, September 2018- January 2020.
- University discipline committee, September 2018- September 2020. Chair.
- University strategic plan committee, 2019.
- University incentives committee, September 2018-January 2020.
- Scientific research committee, Faculty of Engineering, September 2016- September 2017.
- Graduate studies committee, Faculty of Engineering, September 2016-September 2017.
- Reviewer for the Mathematical Reviews.
- Students discipline committee, September 2012- September 2013.
- Faculty Council, September 2012- September 2013.
- Students evaluation committee.
- Faculty Council, September 2008- September, 2011.
- Scientific research committee, 2008-2010.
- Higher education committee, Business School, 2009-2011.
- Quality assurance manager, Business School, 2010-2011.

#### **University of Sharjah**

- Scientific research committee, College of Science, 2017-2018.
- Human resources committee, 2015-2016.
- Schedule committee, 2015-2016.
- University council, 2014-2015.
- Community service committee, 2013-2016.
- Exams' committee.
- Department of Mathematics strategic plan committee, 2013-2014.
- College of Science strategic plan committee, 2013-2014.
- Science festival committees.
- Accreditation committee, 2013-2016.

#### **McGill University**

- Analysis seminar committee, 2004-2006.

#### TRAINING

- IP policies and practices, Royal scientific society, July 2019.
- A workshop on quality assurance issues, 2010.
- A workshop on quality issues and accreditation, Grinoble, France, 2010. Since then, I have been working on quality and accreditation issues in the University.
- A workshop on quality assurance issues, 2008.
- Qualifying teaching staff, October 2006 - January 2007.

#### DELIVERED WORKSHOPS

- Soft Archiving workshop, Univ. of Sharjah, May 2015.
- LaTeX workshop, Univ. of Sharjah, May 2016.
- Beamer workshop, Univ. of Sharjah, May 2016.

## REFERENCES

Professor Mashoor Al Refai	Professor Roshdi Khalil
President Princess Sumaya University For Technology Amman 11941 Jordan m.refai@psut.edu.jo	Department Of Mathematics University of Jordan Amman 11942 Jordan Email: roshdi@ju.edu.jo
Professor Ivo Klemes	Professor Nihad Yusuf
Department Of Mathematics McGill University Montreal, Canada Email: klemes@math.mcgill.ca	College of science Yarmouk University Irbid, Jordan Email: nihadyusuf@yu.edu.jo
Professor Ali Jaballah	Professor Fuad Kittaneh
Department of Mathematics University of Sharjah Sharjah 27272 UAE ajaballah@sharjah.ac.ae	Department of Mathematics University of Jordan Amman 11942 fkitt@ju.edu.jo

\*\*Certificates and Transcripts are available upon request.