

# Curriculum Vitae

## ASUMAN GÜVEN AKSOY

CROWN PROFESSOR OF MATHEMATICS AND ROBERTS FELLOW

Office Address: Department of Mathematics  
Claremont McKenna College  
850 Columbia Avenue  
Claremont, CA, 91711

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Citizenship: United States

### Research Interests

Banach space theory, operator theory, approximation theory, interpolation spaces, fixed point theory, modular spaces, nuclear spaces, minimal projections, symmetric spaces, functional equations, hyperconvex spaces, metric geometry.

### Education

- 1978 – 1984 **Ph.D. in Mathematics**, University of Michigan.  
Advisor: M.S. Ramanujan  
Dissertation: “Approximation Schemes, Related  $s$ -Numbers and Applications”
- 1976 – 1978 **M.S. in Mathematics**, Middle East Technical University  
Supervisor: Tosun Terzioğlu  
Masters Thesis: “Subspaces of Nuclear Fréchet Spaces”
- 1972 – 1976 **B.S. in Mathematics and Physics**, University of Ankara  
Academic Distinction: Ranked 1st in graduating class

### Positions

- REGULAR

- 2009–Now *Crown Professor of Mathematics and Robert’s Fellow*, Claremont McKenna College  
1996–2009 *Professor*, Department of Mathematics, Claremont McKenna College  
2007–2009 *Chair*, Department of Mathematics, Claremont McKenna College  
1997–2000 *Chair*, Department of Mathematics, Claremont McKenna College  
1990–1996 *Associate Professor*, Department of Mathematics, Claremont McKenna College  
1984–1987 *Assistant Professor*, Department of Mathematics, Oakland University, Rochester, Michigan  
1980–1984 *Teaching Assistant*, Department of Mathematics, University of Michigan  
1976–1978 *Teaching Assistant*, Department of Mathematics, Middle East Technical University

- VISITING

- 2008 Spr. *Visiting Professor*, University of Leeds, Leeds, United Kingdom  
2005 Fall *Visiting Professor*, Banach Center, Warsaw, Poland  
2002 Sum. *Visiting Professor*, Jagiellonian University, Krakow, Poland  
2001 Spr. *Visiting Professor*, Department of Mathematics, Boğaziçi University, Istanbul, Turkey  
2000 Spr. *Visiting Professor*, Department of Mathematics, University of California-Riverside, CA  
1994 Sum. *Visiting Associate Professor*, Department of Mathematics, Middle East Technical University  
1993 Fall *Visiting Associate Professor*, Department of Mathematics, California Institute of Technology  
1984 Fall *Visiting Research Assistant*, Department of Mathematics, University of Kaiserslautern

**Books**

- A. G. Aksoy and M. A. Khamsi, “Nonstandard Methods in Fixed Point Theory”, Springer-Verlag, Universitext Series, 1990, ISBN: 978-0-387-97364-7.
- A. G. Aksoy and M. A. Khamsi, “A Problem Book in Real Analysis”, Springer-Verlag, Problem Books in Mathematics, 2009, ISBN: 978-1-4419-1295-4.
- A. G. Aksoy, R. Ashrov, Shavkat Ayupov and Bernard Russo (Editors), “Topics in Functional Analysis and Algebra”, AMS Contemporary Mathematics (Proceedings of the USA-Uzbekistan Conference on Analysis and Mathematical Physics), **672**, 2016, ISBN: 978-1-4704-1928-8
- A. G. Aksoy, “Fundamentals of Real and Complex Analysis”, Springer-Verlag, SUMS series, 2024.

**Publications**

\* denotes undergraduate author

- 2023 1. A.G. Aksoy, F. Arici, M.E. Cellorio, P. Gorkin *Decomposable Blaschke products of degree  $2^n$* , Trans. Amer. Math Soc., (2023), vol 376, No. 9, 6341-6360. DOI: 10.1090/tran/8937.
2. A.G. Aksoy, D.A. Thiong *Equality in degrees of compactness: Schauder’s Theorem and  $s$ -numbers* Commu. Korean Math Soc. 38 (2023), No.4, 1127-1139. DOI: 10.4134/CKMS.c230003.
3. A.G. Aksoy *Lethargic approximation: Banach and Frechet spaces forming Bernstein pairs* Research Bulletin of Nihon University, Liberal Arts, (2023) No.98, 7-15.
- 2022 4. A.G. Aksoy, Y. Puig, *Ideals of hypercyclic operators that factor through  $\ell^p$* . Proc. of Amer. Math. Soc., 150, no.2, 691-700. DOI: 10.1090/proc/15679.
- 2020 5. A.G. Aksoy, M. Kılıç and Ş. Koçak, *Isometric embeddings of finite metric trees into  $(\mathbb{R}^n, d_1)$  and  $(\mathbb{R}^n, d_\infty)$* . Advances in Analysis and Geometry, special volume: The Mathematical legacy of Victor Lomonosov, De Gruyter, 2020, 15-24.
6. A.G. Aksoy, *The Bieberbach Conjecture*, (In Turkish), The World of Mathematics, 2020 I and II, 48-51.
- 2019 7. A. G. Aksoy, *On a theorem of Terzioğlu*, Turk J. Math 43 (2019), no.1, 258-267, DOI: 10.3906/mat-1805-28.
8. A. G. Aksoy, M. Al-Ansari and Q. Peng, *Representation theorems for  $\mathbb{R}$ -trees and Brownian motion indexed by  $\mathbb{R}$ -trees*, Asian-European J. Math, Vol.12, no.04, (2019) 1950067, 20 pp. DOI: 10.1142/S1793557119500670.
- 2018 9. A. G. Aksoy, Q. Peng, *Constructing an element of a Banach space with given deviation from its nested subspaces*, Khayyam J. Math. 4(1) (2018) 59–76.
10. A.G. Aksoy, Z. Ibragimov and W. Whiting\* *Averaging one-point hyperbolic-type metrics*, Proc. of AMS. **146**, No 12, pp. 5205-5218, 2018, DOI: 10.1090/proc/14173. Article electronically published on September 4, 2018
11. A.G. Aksoy, *Extensions of Bernstein’s Lethargy Theorem*, Springer Proceedings in Math. and Stat., **264**, Algebra, Complex Analysis and Pluripotential Theory, pp. 13-31. DOI: 0.1007/978-3-030-01144-4.
12. A. G. Aksoy, E. Cumberbatch, *Uncovering GEMS of Mathematics*, Journal of Humanistic Mathematics, **7**(2), pp. 384-393, 2017.
13. A. G. Aksoy, M. Al-Ansari, C. Case\*, Q. Peng, *Subspace condition for Bernstein’s lethargy theorem*, Turk J. Math, **41**, 1101-1107, 2017, arXiv:1606.07977.
- 2016 14. A. G. Aksoy, *Al-Khwarizmi and the Hermeneutic Circle: Reflections on a Trip to Samarkand*, Journal of Humanistic Mathematics, **6**(2), pp. 114–127, 2016, DOI: 10.5642/jhummath.201602.09.

15. A. G. Aksoy, G. Lewicki, *Bernstein lethargy theorem for Fréchet spaces*, Journal of Approximation Theory, **209**, pp. 58–77, 2016, DOI: [10.1016/j.jat.2016.05.003](https://doi.org/10.1016/j.jat.2016.05.003).
16. A. G. Aksoy, G. Lewicki, *Characterization conditions and the numerical index*, Contemporary Mathematics, **672**, pp. 17–31, 2016, DOI: [10.1090/conm/672/13475](https://doi.org/10.1090/conm/672/13475).
17. A. G. Aksoy, Z. Ibragimov, *Convexity of the Urysohn Universal Space*, Journal of Nonlinear and Convex Analysis, **17**(6), pp. 1239–1247, 2016, arXiv:1309.7381.
18. A. G. Aksoy, G. Lewicki, *Minimal projections with respect to numerical radius*, Ordered Structures and Applications: Positivity VII, Trends in Mathematics, pp. 1–11, 2016, DOI: [10.1007/978-3-319-27842-1](https://doi.org/10.1007/978-3-319-27842-1).
- 2015 19. A. G. Aksoy, J. Almira, *On Montel and Montel–Popoviciu theorems in several variables*, Aequationes mathematicae, **89**(5), pp. 1335–1357, 2015, DOI: [10.1007/s00010-014-0329-8](https://doi.org/10.1007/s00010-014-0329-8).
- 2014 20. A. G. Aksoy, J. Almira, *On approximation schemes and compactness*, Proceedings of the first conference on classical and functional analysis, Azuga-Romania, pp. 5–24, 2014, arXiv:1311.2385.
21. A. G. Aksoy, Sixian Jin\*, *The apple doesn't fall far from the metric tree: equivalence of definitions*, Proceedings of the first conference on classical and functional analysis, Azuga-Romania, pp. 25–36, 2014, arXiv:1306.6092.
22. A. G. Aksoy, J. Almira, *On Shapiro's lethargy theorem and some applications*, Jaen J. Approx., **6**(1), pp. 87–116, 2014, arXiv:1211.3356.
- 2013 23. A. G. Aksoy, Z. Glassman\*, O. Kosheleva and V. Kreinovich, *From Uryshon's universal space to a universal space-time*, Mathematical Structures and Modeling, **28**(2), pp. 28–34, 2013.
24. A. G. Aksoy, G. Lewicki, *Limit Theorems for Numerical Index*, Journal of Mathematical Analysis and Applications, **398**(1), pp. 296–302, 2013, DOI: [10.1016/j.jmaa.2012.08.055](https://doi.org/10.1016/j.jmaa.2012.08.055).
- 2012 25. A. G. Aksoy, G. Lewicki, *Minimal projections with respect to various norms*, Studia Mathematica, **210**(1), 2012, DOI: [10.4064/sm210-1-1](https://doi.org/10.4064/sm210-1-1).
- 2011 26. A. G. Aksoy, K. Kinneberg\*, *Compact  $n$ -widths in metric trees*, Function spaces IX, the Banach Center Publications, **92**, pp. 15–25, 2011, DOI: [10.4064/bc92-0-1](https://doi.org/10.4064/bc92-0-1).
27. A. G. Aksoy, G. Lewicki, *Best approximation in numerical radius*, Numerical Functional Analysis and Optimization, **32**(6), pp. 593–609, 2011, DOI: [10.1080/01630563.2011.571886](https://doi.org/10.1080/01630563.2011.571886).
28. A. G. Aksoy, T. Oikhberg, *Some results in metric trees*, Banach Center Publications, **91**, pp. 9–34, 2011, DOI: [10.4064/bc91-0-1](https://doi.org/10.4064/bc91-0-1).
- 2008 29. A. G. Aksoy, B. Maurizi\*, *Metric trees, hyperconvex hulls and extensions*, Turkish J. Math., **32**(2), pp. 219–234, 2008, arXiv:math/0702125.
- 2007 30. A. G. Aksoy, M. S. Borman\* and A. L. Westfahl\*, *Compactness and measures of non-compactness in metric trees*, Proc. of the International Conference on Banach and Function Spaces II, Kitakyushu, Japan, pp.277–292, 2007, arXiv:math/0702124.
31. A. G. Aksoy, M. Ed-Dari, M. A. Khamsi, *On numerical index of vector-valued function spaces*, Linear and Multilinear Algebra. **55**(6) pp. 507–513, 2007, DOI: [10.1080/03081080601030594](https://doi.org/10.1080/03081080601030594).
32. A. G. Aksoy, B. L. Chalmers, *Minimal numerical-radius extensions of operators*, Proc. of Amer. Math. Soc., **135**(4), pp. 1039–1050, 2007, DOI: [10.1090/S0002-9939-06-08609-6](https://doi.org/10.1090/S0002-9939-06-08609-6).
33. A. G. Aksoy, M. A. Khamsi, *Fixed points of uniformly Lipschitzian mappings in metric trees*, Sci. Math. Jpn. **65**(1), pp. 31–41, 2007.
- 2006 34. A. G. Aksoy, M. A. Khamsi, *A selection theorem in metric trees*, Proc. of Amer. Math. Soc. **134**(4), pp. 2957–2966, 2006, DOI: [10.1090/S0002-9939-06-08555-8](https://doi.org/10.1090/S0002-9939-06-08555-8).

- 2005 35. A. G. Aksoy, H. O. Tylli, *Interpolation of the essential spectrum and the essential norm*, Orlicz Centenary Volume II, Banach Center Publ, Polish Acad. Sci., Warsaw, **68**, pp. 9–18, 2005, DOI: [10.4064/bc68-0-1](https://doi.org/10.4064/bc68-0-1).
- 2004 36. A. G. Aksoy, M. Martelli, *Wave equation, mixed partial derivatives and Fubini's theorem*, The American Mathematical Monthly, **111**(4), 2004, DOI: [10.2307/4145243](https://doi.org/10.2307/4145243).
- 2002 37. A. G. Aksoy, M. Martelli, *Mixed partial derivatives and Fubini's theorem*, College Mathematics Journal of MAA, **33**(2), pp. 126–130, 2002, DOI: [10.2307/1558995](https://doi.org/10.2307/1558995).
- 2001 38. A. G. Aksoy, M. Martelli, *Global convergence for discrete dynamical systems and forward neural networks*, Turkish Journal of Mathematics, **25**, pp. 345–354, 2001.
- 1997 39. A. G. Aksoy, G. Lewicki, *Diagonal operators,  $s$ -numbers, and Bernstein pairs*, Note di Matematica, **17**, pp. 1–10, 1997.
40. A. G. Aksoy,  *$s$ -numbers, measure and weak measure of non-compactness and real interpolation*, Bulletin of Allahabad Math. Soc., **8-9**, pp. 15–35, 1997.
- 1996 41. A. G. Aksoy, G. Lewicki, *Modular spaces and  $K$ -widths*, Functional Analysis, Walter de Gruyter Publishing, Berlin, pp. 1–10, 1996.
42. A. G. Aksoy, L. Maligranda, *Lipschitz-Orlicz spaces and the Laplace equation*, Mathematische Nachrichten, **178**(1), pp. 81-101, 1996, DOI: [10.1002/mana.19961780104](https://doi.org/10.1002/mana.19961780104).
- 1995 43. A. G. Aksoy, L. Maligranda, *Real interpolation and measures of weak-noncompactness*, Mathematische Nachrichten, **175**(1), pp. 5–12, 1995, DOI: [10.1002/mana.19951750102](https://doi.org/10.1002/mana.19951750102).
44. A. G. Aksoy, *Fibonacci Sequences* (in Turkish), World of Mathematics, **6**(6), 1995.
45. A. G. Aksoy, *Logical Marriages, or Dihedral Group of Order 8* (in Turkish), World of Mathematics, **5**(4), 1995.
- 1994 46. A. G. Aksoy, *Mathematics as a Creative Art* (in Turkish), World of Mathematics, **4**(2), 1994.
- 1993 47. A. G. Aksoy, J. B. Baillon, *Measures of noncompactness in Orlicz modular spaces*, Collect. Math., **44**(1-3), pp. 1–11, 1993.
- 1992 48. A. G. Aksoy, *A generalization of  $n$ -widths*, Approximation Theory, Spline Functions and Applications, NATO-ASI Series, **356**, pp. 269–278, 1992, DOI: [10.1007/978-94-011-2634-2](https://doi.org/10.1007/978-94-011-2634-2).
- 1991 49. A. G. Aksoy,  *$Q$ -compact sets and  $Q$ -compact maps*, Mathematica Japonica, **36**(1), pp. 1–7, 1991.
- 1989 50. A. G. Aksoy, *Intermediate spaces*, Turkish Journal of Mathematics, **13**(3), pp. 79–90, 1989.
- 1987 51. A. G. Aksoy, *The radius of the essential spectrum*, Journal of Mathematical Analysis and Applications, **128**(1), pp. 101–107, 1987, DOI: [10.1016/0022-247X\(87\)90217-4](https://doi.org/10.1016/0022-247X(87)90217-4).
- 1986 52. A. G. Aksoy and M. Nakamura, *The approximation numbers  $a_n(T)$  and  $Q$ -precompactness*, Mathematica Japonica, **31**(6), pp. 827–840, 1986.

## Selected Talks

- AMS & MAA MEETINGS

- 2021 May **AMS Sectional Meeting**, (Advances in Operator Theory)  
Title: *Ideals of hypercyclic operators factoring through  $\ell^p$* .
- 2018 Jan. **JMM of AMS at San Diego** (Advances in Operator Theory, Operator Algebras and Operator Semigroups)  
Title: Deviation of elements of a Fréchet space from a system of subspaces.
- Oct **AMS Western Sectional Meeting at San Francisco**, (Advances in Operator Theory, Operator Algebras and Operator Semigroups)  
Title: *Bernstein's Lethargy Theorem and Reflexivity*.

- 2015 Oct. **AMS Western Sectional Meeting at CSUF** (Operator Theory and Operator Algebras)  
Title: *Bernstein's Lethargy Theorem in Fréchet Spaces.*
- Oct. **AMS Western Sectional Meeting at CSUF** (Session on Humanistic Mathematics)  
Title: *Al-Khwarizmi and the Hermeneutic circle.*
- 2014 Aug **USA-Uzbekistan Conference** (Session on Algebra and Functional Analysis)  
Title: *Minimal projections with respect to numerical radius.*
- 2013 Nov. **AMS Western Sectional, UCR** (Analysis and Geometry of Metric Spaces)  
Title: *The Uryshon Universal Space and hyperconvexity.*
- 2009 Jan. **JMM, Washington, DC** (Special Session on Dynamical Systems)  
Title: *Some Results in Metric Trees.*
- 2008 Oct. **AMS Central Sectional, Michigan** (Nonlinear Analysis and Applications)  
Title: *Structural properties of metric trees.*
- 2006 Oct. **MAA at Cal-State Long Beach** (The Southern California-Nevada Section)  
Title: *Metric trees are everywhere.*
- 2004 Jan. **JMM, Phoenix, AZ** (Session on Fixed Points: Theory and Application)  
Title: *Minimal Numerical Radius Extensions of Operators.*
- 2002 Oct. **MAA at Cerritos College** (The Southern California-Nevada Section)  
Title: *Theorems of Hanh-Banach Type.*

• INTERNATIONAL CONFERENCES

- 2022 Jun. **Workshop on Operator Theory, Complex Analysis and Applications**, Faro, Algarve, Portugal.
- 2022 Mar. **Institute of Mathematics, Boğaziçi University**, Istanbul, Turkey.
- 2021 Nov. **Focus Program on Analytic Function Spaces and Their Applications**, Fields Institute, Toronto, Canada.
- 2021 July **Working Groups for Women in Operator Theory**, Lorentz Center, University of Leiden, Netherlands.
- 2017 Aug. **The second USA-Uzbekistan conference on Analysis and Mathematical Physics**, Urgench, Uzbekistan.
- Jun. **Geometry of Banach spaces and related topics**, Krakow, Poland.
- 2016 Jun. **Memorial Conference for Prof. Terzioğlu**, Istanbul, Turkey
- May **Annual meeting of Turkish Mathematical Society**, Ankara, Turkey
- 2015 Jun. **VI Jean Conference on Approximation Theory**, Ubeda, Spain
- Jul. **International Conference on Fixed Point Theory & Applications**, Istanbul, Turkey
- 2014 Sep. **Al-Khwarizmi Conference on Mathematics and Technology**, Samarkand, Uzbekistan
- 2013 Sep. **First conference on Classical and Functional Analysis**, Azuga, Romania
- Jul. **Positivity conference at University of Leiden**, Leiden, Netherlands
- 2009 Jul. **Banach Algebra Conference at the Banach Mathematical Center**, Bedlewo, Poland
- Jun. **Function Space Conference at Jagiellonian University**, Krakow, Poland

• COLLOQUIUM TALKS

- 2022 **Claremont Colleges**, Analysis Seminar.
- 2020 **University of Memphis, Tennessee**, Talk in "One Day in Operator Theory" Conference.
- 2018 **Claremont Center for Mathematical Sciences**, Colloquium.
- 2016 **California State University at Fullerton**, Seminar
- 2015 **Claremont Center for Mathematical Sciences**, Analysis Seminar
- 2015 **Claremont Center for Mathematical Sciences**, Applied Mathematics Seminar
- 2014 **California State University at Fullerton**, Seminar

- 2012 University of Texas, El Paso, Seminar  
 2011 Southern California Association of Women in Math, UC Irvine, Keynote Speaker  
 2009 University of California, Irvine, Analysis Seminar  
 2009 Claremont Center for Mathematical Sciences, Analysis Seminar  
 2008 Oakland University, Seminar  
 2008 University of California, Riverside, Seminar  
 2008 University of Leeds, United Kingdom, Analysis Seminar

### Teaching Experience

see recent courses at <http://www.asumanaksoy.com>

#### 1987–Now Undergraduate Courses

Calculus I, Intermediate Calculus II-III, Freshman Honors Calculus, Advanced Calculus I-II, Real Analysis I-II, Complex Analysis, Linear Algebra, Advanced Linear Algebra, Differential Equations, Engineering Mathematics, Mathematics of Finance.

#### 1989–Now Graduate Courses

Measure Theory, Functional Analysis I-II, Banach Space Theory, Interpolation Theory and Fixed Point Theory.

### Memberships

- American Mathematical Society (AMS)
- Mathematical Association of America (MAA)
- Association of Women in Mathematics (AWM)
- Phi Beta Kappa (PBK)

### Fellowships, Grants, and Awards

- 2022 Institute of Mathematical Sciences Award, Claremont Graduate University.  
 2016 Presidential Award from CMC.  
 2013 Mathematical Association of America-Tensor Summa Grant for GEMS (outreach) program.  
 2010 Blais Grant for Software Lab through Claremont Center for the Mathematical Sciences (with Ali Nadim, Amy Radunskaya)  
 2009 Fletcher Jones Research Grant (with Ellis Cumberbatch).  
 2008 Blais Research Grant through CCMS (with Ellis Cumberbatch).  
 2008 Summer Fellowship, Claremont McKenna College.  
 2006 G. David Huntoon Senior Teaching Award, Claremont McKenna College.  
 2006 Distinguished College or University Teaching Award, Mathematical Association of America (MAA), Southern California-Nevada Section.  
 2006 Faculty Advisor for NSF-funded Research Experiences for Undergraduates (NSF-REU-Claremont).  
 2004 Summer Research for Minimal Projections, Claremont McKenna College.  
 2002 Summer Research Fellowship, Claremont McKenna College.  
 2000 The Roy P. Crocker Award for Merit, Claremont McKenna College.  
 1999 F.G. Research Institute's Research Fellowship.  
 1999 The Roy P. Crocker Award for Merit, Claremont McKenna College.  
 1998 Research Grant, Claremont McKenna College. Awarded to visit Jagiellonian University to do research with Professor G. Lewicki on problems related to  $s$ -numbers in Banach spaces.  
 1994 NATO-TOKTEN (Transfer of Knowledge through Expatriate Nationals) Grant. Awarded for a series of lectures on functional analysis to mathematics faculty and graduate students in the Middle East Technical University, Ankara, Turkey.

- 1983 The University of Michigan Fellowship. Awarded to conduct research in USA and Kaiserlautern Germany.
- 1982–1986 NATO Scholarship for Ph.D. Awarded through Turkish Scientific and Research Council to pursue a Ph.D. in mathematics

### Meetings Organized

- 2023 AWM-JMM Special Session on Operator Theory.
- 2022 Claremont Center of Mathematical Sciences (CCMS) Analysis Seminar Organizer.
- 2018 AMS JMM at San Diego and AMS Western Sectional meeting at San Francisco.(Special Session on Advances in Operator Theory, Operator Algebras and Operator Semigroups)
- 2009–Now Atul-Vyas Memorial Lecture, CMC.
- 1990–Now Claremont McKenna College Analysis Seminar Organizer (year-round)
- 2005–2017 Southern California Functional Analysis Seminar
- 2015 Oct. AMS Western Sectional at CSUF (Special Session on Functional Analysis)
- 2013 Nov. AMS Western Sectional at UCR (Special Session on Analysis and Geometry of Metric Spaces)
- 2008 May AMS Spring Western Section Meeting, Claremont McKenna College
- 1997 Oct. Joint AMS and MAA Meeting at Claremont McKenna College  
Mar. MAA Southern California Section at San Diego University
- 1996 Oct. MAA Southern California Section at Cal State Fullerton

### Service

- TO CMC AND THE CLAREMONT COLLEGES CONSORTIUM
- 2023 Global Education Committee
- 2023 FIS (chair)for Rima Basu
- 2022–2023 Research Committee-CMC
- 2022–2023 BOT Campus Planning Facilities Committee
- 2022 FIS for promotion of Lily Geismer
- 2019–2021 APT/EC
- 2019–Sp. Teaching Evaluation Committee
- 2017–2018 Board of Trustees Academic Affairs Committee.
- 2015–2017 Member APT of CMC
- 2015–2017 Member APT of Keck Science
- 2015–2017 Board of Trustees Finance Committee
- 2008–Now Organizer for Atul-Vyas Lecture series at CMC
- 2012–2015 Chair for the GEMS (outreach) program
- 2015 Speaker for the Athenaeum at CMC
- 2009–2013 Executive Committee member for APT of CMC
- 2011–2015 Executive Committee member for CCMS
- 2009–2011 Acting Director and Chair, Executive Committee for the Claremont Center for Math Sciences
- 2010 Director to Summer Research Group for Fletcher Jones, CCMS
- 2009–2010 Chair for Claremont Colleges Colloquium
- 2008–2013 Member, Executive Committee for APT
- 2006 Chair, Faculty Search Committee
- 2006 Member, Faculty Research Committee
- 2003–2005 Chair, President's Advisory Committee on Diversity
- 2004 Chair, Dean of Faculty Search Committee
- 2001 Chair, Dean of Faculty Search Committee
- 1999 Member, Presidential Search Committee for CMC

1998 Committee on the Quality of Education at CMC

- TO THE MATHEMATICS COMMUNITY

- 2022 Referee for the journals Proc. Amer. Math. Soc, Croatian Academy of Sciences, Math. Proc. of the Royal Irish Academy.
- 2019 National Science Foundation (NSF) Reviewer.
- 2011–2012 American Mathematical Society (AMS) Western Section Program Chair
- 2011–2012 American Mathematical Society (AMS) Committee on Committees
- 2005–2013 Organizer for Southern California Functional Analysis (SCFA) seminars
- 2008 External Reviewer, Grinnell College Mathematics Department
- 2006 Search Committee Member, Pomona College Mathematics Department
- 2002 External Reviewer, Cal State Polytechnic University, Pomona, Mathematics Department
- 2001 External Reviewer, Claremont Graduate University Mathematics Department
- 2000 Chair, Panel on Careers in Mathematics, Southern California Section of the MAA
- 1995–1997 Program Chair, Southern California Section of the MAA
- 1991–1994 Program Chair, Mathematics Colloquium of the Claremont Colleges

### Other Professional Activities

- Journals refereed:

American Mathematical Monthly

Turkish Journal of Mathematics

J. Mathematical Analysis & Applications

Nonlinear Analysis, Methods and Applications

Central European Journal of Mathematics

Archiv der Mathematik

Hacettepe Journal of Mathematics

Involve

Jaen Journal of Approximation

Positivity Journal (POST)

Journal of Croatian Academy of Sciences (Rad. Hazu)

Math. Proc. of the Royal Irish Academy.

Proceedings of the AMS

South African Journal of Mathematics

International J. of Math. & Math. Sci.

Arabian Journal of Mathematics

Journal of Fixed Point Theory & Application

Monatshefte Fur Mathematik

- Over 100 reviews written for *Mathematical Reviews*.

See: <https://mathscinet-ams-org.ccl.idm.oclc.org/mathscinet/search/publications.authreviews>