Madhav Sharma

The University of Rhode Island   Email: madhav_sharma@uri.edu
Department of Mathematics   Phone: (401) 874 - 7153
and Applied Mathematical Sciences
Kingston, RI 02881

EDUCATION

PhD   Florida Atlantic University, Boca Raton, FL, July 2015
              Adviser: Dr. Lee Klingler
              Dissertation: *Maximally Prüfer Rings*

MS   Florida Atlantic University, Boca Raton, FL, August 2012

PGD   International Centre for Theoretical Physics, Trieste, Italy, August 2008

MS   Tribhuvan University, Kathmandu, Nepal, July 2006

BS   Tribhuvan University, Kathmandu, Nepal, November 2003

WORK EXPERIENCE

August 2018 –
Present
Lecturer, The University of Rhode Island, Kingston, RI
Courses Taught: Intermediate Algebra, Applied Precalculus, Precalculus, Applied Calculus, Calculus I and II, Finite Mathematics, Differential Equations, and Linear Algebra.

January 2018 –
June 2018
Postdoctoral Fellow, Florida Atlantic University, Boca Raton, FL

December 2016 –
December 2017
Visiting Assistant Professor, Tribhuvan University, Kathmandu, Nepal
Courses Taught: Linear Algebra, Complex Analysis and Applications (I), Fields and Galois Theory.

August 2015 –
August 2016
Assistant Professor of Mathematics, Pensacola State College, Pensacola, FL
Courses Taught: Intermediate Algebra, College Algebra, Trigonometry, Precalculus, Calculus II.

August 2010 –
July 2015
Graduate Teaching Assistant, Florida Atlantic University, Boca Raton, FL
Courses Taught: College Algebra, Trigonometry, Precalculus Algebra, Introductory Statistics, Methods of Calculus, and Calculus-Analytic Geometry I, II, and III.

RESEARCH INTERESTS

Commutative Algebra, Prüfer rings, Prüfer-like conditions, Rings of continuous functions

PUBLICATIONS
- *Maximally Prüfer rings* (with Lee Klingler and Thomas Lucas), Communications in Algebra **43**, 120-129 (2015)
- *Gaussian property of the rings R(X) and R<X>* (with Warren Wm. McGovern), Communications in Algebra **44**,1636-1646 (2016)
- *Local types of Prüfer rings* (with Lee Klingler and Thomas Lucas), Journal of Algebra and its Applications, 18 (2019), no. 3, 1950042, 23 pp.

CONFERENCE PRESENTATIONS
- *Maximally Prüfer rings*, Second International Workshop and Conference in Commutative Algebra, Tribhuvan University, Kathmandu, Nepal, October 17-28, 2016

- *Gaussian property of the rings R(X) and R<X>,* Special Session on Commutative Ring Theory (in honor of the retirement of David E. Dobbs), Spring Southeastern Sectional Meeting of the American Mathematical Society, Knoxville, TN, March 2014

- *p-extensions and the rings R(X) and R<X>,* Mini Conference on Commutative Rings, H.L. Wilkes Honors College and Department of Mathematical Sciences, Florida Atlantic University, Jupiter, FL, March 2014

- *Maximally Prüfer rings*, Special Session on Algebraic Structures over Commutative Rings, Fall Southeastern Sectional Meeting of the American Mathematical Society, New Orleans, LA, October 2012

LEARNING MANAGEMENT SYSTEMS
WileyPlus, ALEKS, Blackboard, Canvas, Desmos Calculator, Graphing Calculator, MyMathLab, WebAssign, WeBWork

TEACHING WORKSHOPS AND CERTIFICATIONS
- STEM Teach Experience-Summer 2021, Office for the Advancement in Teaching and Learning, The University of Rhode Island, Kingston, RI
- MAA MathFest, August 4-7, 2021
- Master Certified Tutor Level III, College of Reading and Learning Association (CRLA) International Tutor Training Program, Florida Atlantic University, Boca Raton, FL
- Grant Writing Workshop, Florida Atlantic University, January 2013
- Managing Conflict in Classrooms, Starlink Professional Development, March 2016, Online
- Teaching with Canvas (Grading, Panopto Recording, etc.), Staff and Program Development Workshop, Pensacola State College, Fall 2015

GRANTS AND AWARDS
- Teaching Assistantship, Florida Atlantic University, Boca Raton, FL, August 2009 – July 2015
- American Mathematical Society Graduate Student Travel Grant, Spring 2014, Fall 2014
- American Mathematical Society Graduate Student Travel Grant to the Joint Mathematics Meetings in San Antonio, TX, January 10 - 13, 2015

- Graduate and Professional Student Association (GPSA) Travel Grants, Florida Atlantic University, Boca Raton, FL, October 2012, March 2014, April 2014, January 2015
- Leanne and Spyros Magliveras Graduate Award, Florida Atlantic University, Boca Raton, FL
- James W. Brewer Scholarship, Florida Atlantic University, Boca Raton, FL
- Best Student Award, the Central Department of Mathematics, Tribhuvan University, Kathmandu, Nepal

COMPUTER SKILLS
 LATEX, MATLAB, MICROSOFT OFFICE

LANGUAGES
   Nepali (native speaker), English, Hindi/Urdu