**MS&T Department of Chemistry**

Graduate Seminar Schedule, Fall Semester 2022

Seminars are held on Monday at 16:00 in 303 Schrenk Hall (last update Sept 29, 2022)

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| **Date** | **Speaker & Topic** | **Host or Adviser** |
| Aug. 22 | **Office Staff**, Environmental Health and Safety, Missouri S&T  ***General Safety and Hazardous Chemical Management*** | EHS |
| Aug. 29 | **Office Staff**, Environmental Health and Safety, Missouri S&T  ***General Safety and Hazardous Chemical Management*** | EHS |
| Sept. 5 | Labor Day – No Seminar |  |
| Sept. 12 | **Jamie Neely**, Professor, Chemistry, Saint Louis University, Saint Louis  ***New Methods for C–N and C–C Bond Formation Based on Unique Reactivity in Iron Complexes*** | Dr. Choudhury |
| Sept. 19 | **Nicole Moon**, Graduate Student, Chemistry, Missouri S&T  ***Chirality Determination and Enhancement of Carvone Using Microwave Three-Wave Mixing Spectroscopy*** | Dr. Grubbs |
| Sept. 26 | **Hyunsoo Kim**, Professor, Physics, Missouri S&T  ***High-spin quasiparticles in solid states*** | Dr. Choudhury |
| Oct. 3 | **Bin Luo**, Graduate Student, Chemistry, Missouri S&T  ***Epitaxial Electrodeposition of Wide Bandgap Cuprous Bromides***  **Xiaoting Zhang**, Graduate Student, Chemistry, Missouri S&T  ***Epitaxial Single-Domain Metal-Organic Framework Cu-BTC(111) Films by Electrochemical Conversion from Cu2O(111)*** | Dr. Choudhury |
| Oct. 10 | **Steven W. Keller**, Professor, Chemistry, University of Missouri, Columbia  ***Developing a Community-of-Scholars atmosphere in General Chemistry Courses*** | Dr. Choudhury |
| Oct. 17 | **Thomas Schuman**, Professor, Chemistry, Missouri S&T  ***Chasing Tack in Polymer (Gels)*** | Dr. Choudhury |
| Oct. 24 | **Ibrahim Abdullahi**, Graduate Student, Chemistry, Missouri S&T  ***Catalyst Design: Transition Metal Mixed Anionic Chalcogenides in Electrocatalytic Water Splitting and CO2 Reduction Applications*** | Dr. Nath |
| Oct. 31 | **Krishna Thapa**, Graduate Student, Chemistry, Missouri S&T  ***Exploring the Application of DNA nanostructures in the Electrochemical Biosensors and Microbial fuel cells*** | Dr. Wang |
| Nov. 7 | **Vaibhav Edlabadkar**, Graduate Student, Chemistry, Missouri S&T  ***Introducing polybenzodiazine carbon aerogels as all nitrogen analogs of polybenzoxazines; synthesis, characterization, and their application in CO2 capture*** | Dr. Sotiriou-Leventis |
| Nov. 14 | **Zachary Mayes**, Graduate Student, Chemistry, Missouri S&T  ***Novel NMR Techniques for Advanced T1-Relaxation Studies*** | Dr. Woelk |
| Nov. 21 | Thanksgiving Holidays – No Seminar |  |
| Nov. 28 | **Suraj Sahoo**, Graduate Student, Chemistry, Missouri S&T  ***Nitrene Transfer Chemistry Mediated via Transition Metal (M = Cu, Mn, Fe and Co) Coordination Reagents*** | Dr. Stavropoulos |
| Dec. 5 | **Sargun Kaur**, Graduate Student, Chemistry, Missouri S&T  ***Investigation of Chemical Markers for Corn Seed Quality Evaluation and Germination Potential Prediction*** | Dr. Nam |