

Thesis and Dissertations

PhD Thesis

- 9) Neva Agarwala (2023)
Thesis title: Time-resolved step-scan FTIR and visible difference spectroscopy for the study of A₁, the secondary electron acceptor in photosystem I.
Thesis Defense Date: January ??, 2023.
- 8) Leyla Rohani (2021)
Thesis title: Calculated vibrational frequencies of pigments in protein binding sites.
Thesis Defense Date: June 15, 2021.
- 7) Hiroki Makita (2018)
Time-resolved step-scan FTIR and visible difference spectroscopy for the study of A₁, the secondary electron acceptor in photosystem I.
PhD Thesis Defense Date: March 20, 2018.
- 6) Nan Zhao (2014)
Time Resolved Absorption Spectroscopy for the Study of Electron Transfer Processes in Photosynthetic Systems. PhD Thesis Defense Date: 07/10/14.
- 5) Hari P. Lamichhane (2011)
Calculated Vibrational Properties of Quinones in Photosynthetic Reaction Center.
PhD Thesis Defense Date: 08/01/11.
- 4) Jing Guo (2011)
Diagnosing changes in cells using FTIR microspectroscopy.
PhD Thesis Defense Date: 04/08/11.
- 3) Sreeja Parameswaran (2009)
Solar Energy Conversion in Plants and Bacteria Studied Using FTIR Difference Spectroscopy and Quantum Chemical Computational Methodologies.
PhD Thesis Defense Date: 05/05/09.
- 2) Ruili Wang (2005)
FTIR Difference Spectroscopy Studies of P700, the Primary Electron Donor in Photosystem I.
PhD Thesis Defense Date: 6/11/05
- 1) Velautham Sivakumar (2004)
Static and Time-resolved FTIR Difference Spectroscopy for the Study of A₁, The Secondary Electron Acceptor in Photosystem I.
PhD Thesis Defense Date: 04/08/04.

MS Thesis

- 4) Mohammadnabi Ilanikashkouli (Chemistry) (2021).
Thesis title: Calculated vibrational properties of asymmetrically hydrogen bonded benzoquinones and naphthoquinones.
MS thesis defense date 7/15/21
- 3) Jodian Thomas (2018)
Thesis title: FTIR Microscopy for Probing Changes in Biomolecular Composition of Prokaryotic and Eukaryotic Cells in Response to External Stressors.
MS Thesis Defense Date: 04/12/18.
- 2) Hiroki Makita (2012)
Time Resolved Absorption Spectroscopy for the Study of Electron Transfer Processes in Photosynthetic Systems. Masters Thesis Defense Date: 07/13/12.
- 1) Patrick Champion (Math/Stats) (2008)
An Analysis of Fourier Transform Infrared Spectroscopy Data To Predict Herpes Simplex Virus 1 Infection.