**John E. Hansen**

Department of Chemistry

University of West Georgia

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(678) 839-6021

**Professional Preparation**

Degree: **B.S. University of Wisconsin**, Madison, WI 1980

Majors: **Mathematics & Chemistry**

Degree: **Ph.D. University of Chicago**, Chicago, IL 1991

Discipline: **Physical Chemistry**

**Postdoctoral Fellow** **University of Michigan**, Ann Arbor, MI 1991 - 1994

Discipline: **Biophysics**

**Appointments**

**Date Title Institution and Department**

2015 - present Professor Dept. of Chemistry, University of West

Georgia, Carrollton, GA

2001- 2014 Associate Professor Dept. of Chemistry, University of West

 Georgia, Carrollton, GA

1996 - 2000 Assistant Professor Dept. of Chemistry, University of West

 Georgia, Carrollton,GA

1996 Adjunct Professor School of Medicine, Wayne State University,

 Detroit, MI

1995 - 1996 Adjunct Professor Department of Chemistry, University of

 Detroit, Detroit, MI

1981-1985 NMR Spectroscopist School of Pharmacy, and Dept. of

Biochemistry, University of Wisconsin, Madison, WI

1980-1981 Mass Spectrometrist School of Pharmacy, University of

Wisconsin**,** Madison, WI

**Selected Research Publications**

**1**. John E. Hansen, Logan Leslie, and Satyanarayana Swamy-Mruthinti (2014) ***The Kinetics of the Thermal Denaturation of Detergent-Solubilized Aquaporin-0 in the Absence and Presence of α-Crystallin,*** Biochemical and Biophysical Research 450(4):1668-1672.

1. A. Vinyard, K.A. Hansen, R. Byrd, D.A. Stuart, J.E. Hansen (2014) ***Design of a Simple Cryogenic System for Ultraviolet–Visible Absorption Spectroscopy with a Back-Reflectance Fiber Optic Probe*,** Appl. Spec.  68(1): 118-123. doi: 10.1366/13-07129.

**3.** S. Swamy-Mruthinti , V. Srinivas V, J.E. Hansen, CM. Rao (2013) ***Thermal***

 ***Stress Induced Aggregation of Aquaporin 0 (AQP0) and Protection by α-***

 ***Crystallin*via*Its Chaperon Function*,** PLoS ONE 8(11): e80404.

 doi:10.1371/journal.pone.0080404.

1. [S. Swamy-Mruthinti](https://www.researchgate.net/researcher/2043190575_S_Swamy-Mruthinti) and John Hansen, [***Thermal denaturation of AQP0 and protection by α crystallin,***](https://www.researchgate.net/publication/259978035_Thermal_denaturation_of_AQP0_and_protection_by__crystallin?ev=prf_pub) Investigative Ophthalmology & Visual Science 05/2007

**5.** J.E. Hansen,M.K. McBrayer, M. Robbins, and Y. Suh (2002) ***A PH Dependence Study on the Unfolding and Refolding of Apoazurin: A comparison with Zn(II) azurin*,** Cell Biochem. Biophys. 36, 19-41.

**Synergistic Activities**

1. Direct the Laboratory for Low Temperature Studies in Condensed Matter Chemistry and Physics.
2. Applying the use of higher order mathematics to problems of research interest in chemistry.
3. Research studies into planetary atmospheres.

**Collaborators and Other Affiliations**

**1.** Swamy Mruthinti**,** Research Collaborator, University of West Georgia

**2.** Douglas Stuart, Research Collaborator, University of West Georgia

**Graduate Advisor**

Graham Fleming, ***The Melvin Calvin Professor of Chemistry and Vice Chancellor of Research***, University of California, Berkeley.

**Postdoctoral Sponsors**

**1.** Ari Gafni, Professor of Biochemistry, University of Michigan

**2.** Duncan Steel, Professor of Physics, University of Michigan