

## **Asst. Prof. DERYA VURAL**

### **Personal Information**

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### **International Researcher IDs**

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### **Foreign Languages**

English, C1 Advanced

### **Research Areas**

Biophysics, Atomic and Molecular Interactions

### **Academic Titles / Tasks**

Research Assistant, University of Delaware, Art and Science, Physics and Astronomy, 2009 - 2014

### **Published journal articles indexed by SCI, SSCI, and AHCI**

- I. **Computational study on the impact of linkage sequence on the structure and dynamics of lignin**  
VURAL D.  
European Biophysics Journal, vol.53, no.7-8, pp.405-414, 2024 (SCI-Expanded)
- II. **Molecular-level design of alternative media for energy-saving pilot-scale fibrillation of nanocellulose**  
Liu S., Rukmani S. J., Mohan M., Yu Y., Vural D., Johnson D. A., Copenhaver K., Bhagia S., Lamm M. E., Li K., et al.  
Proceedings of the National Academy of Sciences of the United States of America, vol.121, no.37, 2024 (SCI-Expanded)
- III. **Water molecule ordering on the surface of an intrinsically disordered protein**  
VURAL D., Shrestha U. R., Petridis L., Smith J. C.  
Biophysical Journal, vol.122, no.22, pp.4326-4335, 2023 (SCI-Expanded)