

Professional Experience

**2008-present Padanaplast USA
Research Consultant**

Sheboygan, WI

Through my proven project management in chemistry, I have successfully performed a rapid turn-around project for the largest PEX (cross-linked polyethylene) supplier in North America representing \$60 million in annual sales.

**2010-present Urethane Systems Plus, Inc.
Consultant**

Waukesha, WI

Provide assistance and knowledge concerning industrial production of varying density urethane foam products.

**2010-present Marquette University
Faculty**

Milwaukee, WI

Successfully lectured first semester organic chemistry course during the Spring of 2010.

**2010-present UW-Rock County
Faculty**

Janesville, WI

Successfully lectured second semester organic chemistry course and laboratory during the Spring of 2010.

**2002-2009 University of Wisconsin - Milwaukee
Faculty**

Milwaukee, WI

Provided quality education to the student body while performing organic- and industrial-based research. Received distinguished fellowship, assistantship, and teaching awards. My solid written and oral communication skills are utilized in grant/proposal/research contract writing, providing technical assistance, and training of new researchers.

**1998-2002 Aldrich Chemical Company(SAFC)
Chemist**

Milwaukee, WI

- Lead chemist for GMP production of trans-capsaicin
- Managed training of scores of chemists and operators
- Supervisor of IPT lab
- Awarded for process improvement of anti-pancreatic cancer intermediate, and for large scale development of sodium cyanoborohydride. Also awarded for employee safety.

My strong interpersonal relationship abilities aided me in successful team management which resulted in customer retention and satisfaction. Effective time management skills and attention to detail has allowed me to maintain high standards and quality in the lab to achieve the company's business goals and meet long term business objectives. My close interaction with senior management allowed for efficient product development, allowed for tighter project management, and product logistics. By carefully listening and analyzing product development needs, I managed material ordering, costing, staff time estimations, written preparation work, and handled initial process development/scale up to final product shipping. All of this was accomplished under cGMP certified procedures and protocols.

Education

Ph.D., **Organic Chemistry** (major); Physical Chemistry (minor); University of Wisconsin-Milwaukee; Milwaukee, WI
B.S., Chemistry (ACS Professional Emphasis major) and Biology (major); University of Wisconsin-Oshkosh; Oshkosh, WI
B.A., German Languages and Literatures (major); University of Denver; Denver, CO
Zertifikat: Deutsch als Fremdsprache; Goethe Institut, Berlin, Germany

Publications

1. **Matthew E. Dudley**, M. Monzur Morshed, and M. Mahmum Hossain "CONVENIENT PREPARATION OF 3-ETHOXYCARBONYL BENZOFURANS FROM SALICYLALDEHYDES AND ETHYL DIAZOACETATE" *Org. Syn.* **2009**, 86, 172.
2. Ronald D. Theys, **Matthew E. Dudley**, M. Mahmum Hossain "Recent chemistry of the η^5 -cyclopentadienyl dicarbonyl iron anion" *Coord. Chem. Rev.* **2009**, 253 (1-2), 180.
3. **Matthew E. Dudley**, M. Monzur Morshed, M. Mahmum Hossain, "A Convenient Method of Synthesizing 3-Ethoxycarbonyl Benzofurans from Salicylaldehydes and Ethyl Diazoacetate", *Synthesis*, **2006**, 1711.
4. Amano, R.S., MohanDas, P.M., Jose Martinez Lucci, Krishna S. Guntur, M., M. Mahmum Hossain, Frank Laib, **Matt Dudley**, M. Monzur Morshed, and James Lingle, "Soil Remediation By Using Heated Soil Vapor Extraction Technology," *Proceedings of EPRI MGP Symposium* **2007**, 64.
5. Straus, Daniel A.; Morshed, M. Monzur; **Dudley, Matthew E.**; Hossain, M. Mahmum " μ -Chlorobis(cyclopentadienyl)(dimethylaluminum)- μ -methylenetitanium" *e-EROS Encyclopedia of Reagents for Organic Synthesis*, **2005**, John Wiley & Sons, Ltd., Chichester, UK
6. **Dudley, M.E.**; Morshed, Md. M.; Brennan, C.L.; Islam, M.S.; Ahmad, M.S.; Atuu, M.-R.; Bransteeter, B.; Hossain, M.M. "Acid-Catalyzed Reactions of Aromatic Aldehydes with Ethyl Diazoacetate: An Investigation on the Synthesis of 3-Hydroxy-2-arylacrylic Acid Ethyl Esters" *J. Org. Chem.* **2004**, 69(22), 7599.
7. Mahmoud, I.Y.; Paulson, J.R.; **Dudley, M.**; Patzlaff, J. S.; Al-Kindi, A.Y.A. "Secretory proteins in the reproductive tract of the snapping turtle, *Chelhydra serpentina*" *Comp. Biochem. Physiol. A.*, **2004**, 139(4), 487.