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Objective

To apply for job position in chemistry or paper science.

Education

Ph.D., Chemistry (Paper Science and Engineering), Georgia Institute of Technology, Atlanta, Georgia (Expected: 12/2008), GPA: 3.82/4.0

B.S., Chemistry, Mahidol University, Bangkok, Thailand (04/2001), GPA: 3.87/4.0

Work Experience

Researcher, Kasetsart Agricultural and Agro-Industrial Product Improvement Institute, Kasetsart University, Bangkok, Thailand (06/2002 – 06/2003)

- Carried out a research project focusing on the possibility of using rice husk as a silica source.
- Researched in pulp and paper process aiming to use raw and waste agricultural material for the manufacturing process.

Teaching Assistant, The School of Chemistry, Mahidol University, Bangkok, Thailand (06/2001 – 06/2002)

- Taught third-year organic laboratory course.
- Taught first-year general chemistry laboratory course.
- Coordinated materials, conducted lab experiments, graded lab reports.

Predoctoral Research Intern, The School of Chemistry, The University of Birmingham, Birmingham, United Kingdom (04/2000 – 06/2000)

- Carried out a research project on the kinetics of self-replicating systems.

Summer Research Intern, The School of Chemistry, Mahidol University, Bangkok, Thailand (04/1999 – 06/1999)

- Worked on natural product chemistry, searching for anti-malarial agents in plants and microorganisms.

Specialty Lab Instrument Experience

Expertise in UV-Visible spectroscopy, NMR spectroscopy, chromatography, familiarity with HPLC

Academic Honors

The Royal Thai Government Scholarship for Doctoral Study, 2003

The student award for having the highest grade point average in the chemistry-undergraduate program, Mahidol University, 2001

The Most Outstanding Student in Chemistry award, The Professor Dr. Thab Neelantithi Foundation, 2001

The most outstanding third-year chemistry student, Mahidol University, 2000

Pre-doctoral research scholarship, the School of Chemistry, The University of Birmingham, UK, Summer 2000

The most outstanding second-year chemistry student, Mahidol University, 1999

The most outstanding first-year chemistry student, Mahidol University, 1998

Sri Trung Tong Scholarship, awarded to an undergraduate chemistry student, Mahidol University, 1997

Publications

1. Charoonniyomporn, Porntip; Thongpanchang, Tienthong; Witayakran, Suteera; Thebtaranonth, Yodhathai; Phillips, Karen E. S.; Katz, Thomas J. "An efficient one-pot synthesis of bisalkylthioarenes." *Tetrahedron Letters* (2004), 45(3), 457-459.
2. Witayakran, Suteera; Ragauskas, Arthur J. "Green chemistry one-pot synthesis of 1,4-naphthoquinones and related structures." 231st ACS National Meeting, Atlanta, GA (March 2006).
3. Witayakran, Suteera; Ragauskas, Arthur J. "One-pot synthesis of 1,4-naphthoquinones and related structures with laccase." , *Green Chemistry* (2007), 9, 475-480.
4. Witayakran, Suteera; Zettili, Abdullah; Ragauskas, Arthur J. "Laccase-generated quinones in naphthoquinone synthesis via Diels-Alder reaction." *Tetrahedron Letters* (2007), 48(17), 2983-2987.
5. Witayakran, Suteera; Gelbaum, Leslie; Ragauskas, Arthur J. "Cascade synthesis of benzofuran derivatives via laccase oxidation-Michael addition." *Tetrahedron*, (2007), 63, 10958-10962.
6. Witayakran, Suteera; Ragauskas, Arthur J. "Modification of linerboard softwood kraft pulp with laccase and amino acids" 235st ACS National Meeting, New Orleans, LA (April 2008).

References

Available upon request