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aliphatic polyester and phosphoric acid. Journal of Membrane Science, 245(1-2), 35-40.

## CURRICULUM VITAE

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**Publications:**

1. Jithunsa, M., Tashiro, K., Nunes, S.P., Chirachanchai, S. (2008) Preparation of 4-Vinylimidazole-co-Acrylic Acid Copolymer and Thermal Performances related to Applicability as PEM Fuel Cells. Polymer Degradation and Stability, 93, 1389-1395.
2. Jithunsa, M., Tashiro, K., Chirachanchai, S. Investigation of Structural Changes Related to Temperature: An Understanding of H-bond Based Proton Transfer in 4-Vinylimidazole and Acrylic Acid Copolymer Membrane. Solid State Ionics. Accepted.
3. Jithunsa, M., Tashiro, K., Nunes, S.P., Chirachanchai, S. Characterization of Poly (AA-co-4VIm)/SPEEK Blend Membranes for PEM Fuel Cell Applications. J Membr Sci, To be submitted.
4. Jithunsa, M., Tashiro, K., Pongchavanakul, M., Laobuthee, A., Chirachanchai, S. A Proton Channel of Novel Polyamide Containing Adenine Coupled with N, N'-bis(2-hydroxyl-5-ethyl)cyclohexylamine for PEM Fuel Cells. J Organic Chemistry. To be submitted.

**Proceeding:**

1. Jithunsa, M., Pongchavanakul, M., Chirachanchai, S. (2005, Mar 27-30) Development of Polymeric Material for Polymer Electrolyte Membrane with a Favorable Structure for Proton Transfer System. Proceedings of NAC 2005, NSTDA Annual Conference, NSTDA Science Park, Bangkok, Thailand.
2. Jithunsa, M., Tashiro, K., Aukkaravittayapun, S., Thiraphat Vilaithong, T., Chirachanchai, S. (2007, March 29-30) 4-Vinylimidazole-co-Acrylic Acid Copolymer: An Approach to Develop Non-Aqueous Proton Transferring System in Polymer Electrolyte Membrane. Proceedings of NAC 2007, NSTDA Annual Conference, Bangkok, Thailand.
3. Jithunsa, M., Tashiro, K., Chirachanchai, S. (2007, May 29-31) 4-Vinylimidazole-co-Acrylic Acid Copolymer: An Approach to Develop Non-Aqueous Proton Transferring System in Polymer Electrolyte Membrane. Proceedings of 56th SPSJ Annual Meeting. Kyoto, Japan.



4. Jithunsa, M., Tashiro, K., Nunes, SP., Chirachanchai, S. (2007, June 25-28) 4-Vinylimidazole-co-Acrylic Acid Copolymer: An Approach to Develop Non-Aqueous Proton Transferring System in Polymer Electrolyte Membrane. Proceedings of ICAPP 2007, Bangkok, Thailand.
5. Jithunsa, M., Tashiro, K., Nunes, SP., Chirachanchai, S. (2007, Aug 19-23) 4-Vinylimidazole-co-Acrylic Acid Copolymer: An Approach to Develop Non-Aqueous Proton Transferring System in Polymer Electrolyte Membrane. Proceedings of Prepr.Pap.-Am.Chem.Soc., Div. Fuel Chem, 2007, 52(2), 267, Boston, USA.

**Presentations:**

1. Jithunsa, M., Pongchavanakul, M., Chirachanchai, S. (2005, Mar 27-30) Development of Polymeric Material for Polymer Electrolyte Membrane with a Favorable Structure for Proton Transfer System. Paper presented at NAC 2005, NSTDA Annual Conference, NSTDA Science Park, Bangkok, Thailand.
2. Jithunsa, M., Chirachanchai, S. (2005, Sep 1-2) Development of Polymeric Material for Polymer Electrolyte Membrane with a Favorable Structure for Proton Transfer System. Paper presented at MTEC-NSTDA 2005 (P084), Bangkok, Thailand.
3. Jithunsa, M., Tashiro, K., Aukkaravittayapun, S., Thiraphat Vilaitong, T., Chirachanchai, S. (2007, Mar 29-31) 4-Vinylimidazole-co-Acrylic Acid Copolymer: An Approach to Develop Non-Aqueous Proton Transferring System in Polymer Electrolyte Membrane. Paper presented at NAC 2007, NSTDA Annual Conference, Bangkok, Thailand
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5. Jithunsa, M., Tashiro, K., Chirachanchai, S. (2007, June 4-6) 4-Vinylimidazole-co-Acrylic Acid Copolymer: An Approach to Develop Non-Aqueous Proton Transferring System in Polymer Electrolyte Membrane. Paper presented at The

European Marie Curie Conferences and Training Courses on Membrane Technology, Geesthacht, Germany.

6. Jithunsa, M., Tashiro, K., Nunes, SP., Chirachanchai, S. (2007, June 25-28) 4-Vinylimidazole-co-Acrylic Acid Copolymer: An Approach to Develop Non-Aqueous Proton Transferring System in Polymer Electrolyte Membrane. Paper presented at ICAPP 2007, Bangkok, Thailand.
7. Jithunsa, M., Tashiro, K., Nunes, SP., Chirachanchai, S. (2007, Aug 19-23) 4-Vinylimidazole-co-Acrylic Acid Copolymer: An Approach to Develop Non-Aqueous Proton Transferring System in Polymer Electrolyte Membrane. Paper presented at 234th ACS National Meeting & Exposition, Boston, USA.
8. Jithunsa, M., Chirachanchai, S., Totsatitpaisan, P., Gosalawit, R., Pangon, A., Eiamlamai, P., Treekamol, Y. (2007, Sep 7-11) Development of Polymer Electrolyte Membrane for Fuel Cell. Paper presented at Thailand Research Expo 2007, Central World, Bangkok, Thailand.