

เอกสารอ้างอิง

- Altman, G.H., F. Diaz, C. Jakuba, T. Calabro, R.L. Horan, J. Chen, H. Lu, J. Richmond and D.L. Kaplan. 2003. Silk-based biomaterials. **Biomaterials** 24: 401-416.
- Baker, F. 2004. **Selected Indicators of Food and Agriculture Development in Asia-Pacific Region 1993-2003**. FAO Regional Office for Asia and the Pacific, Bangkok, Thailand.
- Benkhira, A., E. Franta and J. Francois. 1992. Polydioxolane in aqueous solutions 1. Phase diagram. **Macromolecules** 25: 5697-5704.
- Boom, R.M., I.M. Wienk, Th. Van den Boomgaard and C.A. Smolders. 1992. Microstructures in phase inversion membranes. Part 2. The role of a polymeric additive. **J. Membr. Sci.** 73: 277-292.
- Capar, C., S. S. Aygun and M.R. Gecit. 2008. Treatment of silk production wastewater by membrane processes for sericin recovery. **J. Membr. Sci.** 325: 920-931.
- Chakrabarty, B., A.K. Ghoshal and M.K. Purkait. 2008a. Effect of molecular weight of PEG on membrane morphology and transport properties. **J. Membr. Sci.** 309: 209-221.
- Chakrabarty, B., A.K. Ghoshal and M.K. Purkait. 2008b. Preparation, characterization and performance studies of polysulfone membranes using PVP as an additive. **J. Membr. Sci.** 315: 36-47.
- Chakrabarty, B., A.K. Ghoshal and M.K. Purkait. 2008c. SEM analysis and gas permeability test to characterize polysulfone membrane prepared with polyethylene glycol as additive. **J. Colloid Interf. Sci.** 320: 245-253.
- Han, M.J. 1999. Effect of propionic acid in the casting solution on the characteristics of phase inversion polysulfone membranes. **Desalination** 121: 31-39.
- Han, M.J. and S.T. Nam. 2002. Thermodynamic and rheological variation in polysulfone solution by PVP and its effect in the preparation of phase inversion membrane. **J. Membr. Sci.** 202: 55-61.
- Harris, J.E. and R.N. Johnson 1988. Polysulfones, pp. 196-211. *In* H.F. Mark, N.M. Bikales, C.G. Overberger and G. Menges (eds.), **Encyclopedia of Polymer Science and Engineering**, Vol. 13. 2nd ed. John Wiley & Sons, Inc., New York.

- Jung, B., J.K. Yoon, B. Kim and H.W. Rhee. 2004. Effects of molecular weight of polymeric additives on formation, permeation properties and hypochlorite treatment of asymmetric polyacrylonitrile membranes. **J. Membr. Sci.** 243: 45-47.
- Kato, N., S. Sato, A. Yamanaka, H. Yamada, N. Fuwa and M. Nomura. 1998. Silk protein, sericin, inhibits lipid peroxidation and tyrosinase activity. **Biosci. Biotechnol. Biochem.** 62: 145-147.
- Kesting, R.E. 1985. **Synthetic Polymeric Membranes: A Structure Perspective**. 2nd ed. Wiley-Interscience. New York.
- Kim, J.H. and K.H. Lee. 1998. Effect of PEG additive on membrane formation by phase inversion. **J. Membr. Sci.** 138: 153-163.
- Kim, J.H., M.S. Kang and C.K. Kim. 2005. Fabrication of membranes for liquid separation. Part 1. Ultrafiltration membranes prepared from novel miscible blends of polysulfone and poly(1-vinylpyrrolidone-co-acrylonitrile) copolymers, **J. Membr. Sci.** 265: 167-175.
- Lee, H.J., J. Won, H. Lee and Y.S. Kang. 2002. Solution properties of poly(amic acid)-NMP containing LiCl and their effects on membrane morphologies. **J. Membr. Sci.** 196: 267-277.
- Lowry, O.H., N.J. Rosebrough, A.L. Farr and R.J. Randall. 1951. Protein measurement with the folin phenol reagent. **J. Biol. Chem.** 193: 265-275.
- Mulder, M. 1996. **Basic Principles of Membrane Technology**. 2nd ed. Kluwar Academic Publishers. Dordrecht. 583p.
- Munari, S., A. Bottino, G. Capannelli, P. Moretti and P. Petit Bon. 1988. Preparation and characterization of polysulfone-polyvinylpyrrolidone based membranes. **Desalination** 70: 265-275.
- Reuvers, A.J., J.W.A. van der Berg and C.A. Smolders. 1987. Formation of membranes by means of immersion precipitation. Part I. A model to describe mass transfer during immersion precipitation. **J. Membr. Sci.** 34: 45-65.
- Vaithanomsat, P. and V. Kitpreechavanich. 2008. Sericin separation from silk degumming waste water. **Sep. Purif. Technol.** 59: 129-133.
- Voegeli, R., J. Meier and R. Blust. 1993. Sericin silk protein: unique structure and properties. **Cosmetics Toiletries** 108: 101-108.

- Wu, J. H., Z. Wang and S.Y. Xu. 2007. Preparation and characterization of sericin powder extracted from silk industry wastewater. **Food Chem.** 103: 1255-1262.
- Young, T.H. and L.W. Chen. 1995. Pore formation mechanism of membranes from phase inversion process. **Desalination** 103: 233-247.
- Zhang, Y.Q. 2002. Applications of natural silk protein sericin in biomaterials. **Biotechnol. Adv.** 20(2): 91-101.
- Zhaorigetu, S., M. Sasaki, H. Watanabe and N. Kato. 2001. Supplemental silk protein, sericin, suppresses colon tumorigenesis in 1,2-dimethylhydrazine-treated mice by reducing oxidative stress and cell proliferation. **Biosci. Biotechnol. Biochem.** 65(10): 2181-2186.
- Zheng, Q.Z., P. Wang, Y.N. Yang and D.J. Cui. 2006a. The relationship between porosity and kinetics parameter of membrane formation in PSF ultrafiltration membrane. **J. Membr. Sci.** 286: 7-11.
- Zheng, Q.Z., P. Wang and Y.N. Yang. 2006b. Rheological and thermodynamic variation in polysulfone solution by PEG introduction and its effect on kinetics of membrane formation via phase-inversion process. **J. Membr. Sci.** 279: 230-237.