G. Glenn Lipscomb Curriculum Vitae
Professor and Chair of Chemical & Environmental Engineering

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Professional Preparation

University of Missouri at Rolla, Chemical Engineering, B.S., Summa Cum Laude, 1981
University of California at Berkeley, Chemical Engineering, Ph.D., 1987

Appointments

Chair, Chemical & Environmental Engineering, University of Toledo, Toledo, OH, 2004
Professor, University of Toledo, Toledo, OH, 1999
Associate Professor, University of Toledo, Toledo, OH, 1995
Assistant Professor, University of Toledo, Toledo, OH, 1994
Assistant Professor, University of Cincinnati, Cincinnati, OH, 1989
Project Leader, The Dow Chemical Company, Walnut Creek, CA, 1988
Senior Research Engineer, The Dow Chemical Company, Walnut Creek, CA, 1986

Products

1. H. A. Balasubramanian-Rauckhorst, D. R. Lloyd, and G. G. Lipscomb, "Predicting Extent of Anisotropy in Anisotropic Hollow Fiber Membrane Formation", Journal of Membrane Science 339(1-2) (2009) 250-260 (DOI: 10.1016/j.memsci.2009.05.007).
2. M. Bordawekar, I. C. Escobar, G. G. Lipscomb, "Use of a Temperature Sensitive Surface Gel to Reduce Fouling", Separation Science and Technology 44(14) (2009) 3369-3391 (DOI: 10.1080/01496390903212581).
3. P. Hao and G. G. Lipscomb, "The Effect of Sweep Uniformity on Gas Dehydration Module Performance", Membrane Gas Separation, Y. Yampolskii and B. Freeman, Eds., Wiley, 333-353 (2010).
4. S. Sonalkar, P. Hao, and G. G. Lipscomb, "Effect of Fiber Property Variation on Hollow Fiber Membrane Module Performance in the Production of a Permeate Product", Industrial & Engineering Chemistry Research, 49(23) (2010) 12074–12083 (DOI: 10.1021/ie100649q).
5. Y. Su and G. G. Lipscomb, "Simulation of Hollow Fiber Spinning", Modern Applications in Membrane Science and Technology, ACS Symposium Series Vol. 1078, I. Escobar and B. Van Der Bruggen, Eds., 129-152 (2011) (DOI**:** 10.1021/bk-2011-1078.ch009).
6. N. Peng, N. Widjojo, P. Sukitpaneenit, M. M. Teoh, G. G. Lipscomb, T.-S. Chung, J.-Y. Lai, Evolution of Polymeric Hollow Fibers as Sustainable Technologies: Past, Present, and Future, Progress in Polymer Science 37(10) (2012) 1401-1424 (DOI: 10.1016/j.progpolymsci.2012.01.001).

7. K. L. Chong, N. Peng, H. Yin, G. G. Lipscomb, and T.-S. Chung, "Food Sustainability by Designing and Modelling a Membrane Controlled Atmosphere Storage System", Journal of Food Engineering 114(3) (2013) 361-374 (DOI: 10.1016/j.jfoodeng.2012.08.027).
8. J. Liu, A. Iranshahi, Y. Lou, G. Lipscomb, "Static mixing spacers for spiral wound modules", Journal of Membrane Science 442 (2013) 140-148 (DOI: 10.1016/j.memsci.2013.03.063).
9. Y. Lou, P. Hao, and G. Lipscomb, "NELF predictions of a solubility – solubility selectivity upper bound", Journal of Membrane Science 455 (2014) 247-253 (DOI: 10.1016/j.memsci.2013.12.071).
10. N. Che Mat, Y. Lou, and G. G. Lipscomb, "Hollow fiber membrane modules", Current Opinion in Chemical Engineering 4 (2014) 18-24 (DOI: 10.1016/j.coche.2014.01.002).

Synergistic Activities

North American Membrane Society, Board Member, 1999 to 2007, 2011 to 2013
Membrane Quarterly Editor and Office Manager, 2001 to 2011, Secretary 2005 to 2011
AIChE Separations Division, 2nd Vice Chair, 2012, 1st Vice-Chair, 2013, Chair, 2014
National Treasurer, Omega Chi Epsilon, Chemical Engineering Honor Society, 2012 to present

Collaborators & Other Affiliations

Collaborators

Prof. Sasidhar Varanasi, University of Toledo
Prof. Mike Dennis, University of Toledo
Prof. Doug Lloyd, University of Texas

Masters Students

Brian Ashman	Mahesh Bordawekar	Mukesh Chhajer	Jim Dolgoff
Tony Frank	Dharmendra Kumar	Robert Lyons	Jennifer Reid
Anurag Varma	Jingyi Wang	Xiaowen Wu	Bei Xu
Ashkan Iranshahi	Ravikumar Gogar	Scott Wedding	
Neelam Jagani, current		Pegah Haji Mirza Tayeb, current	

Doctoral Students

Tapan Banerjee, Pactiv	Joe Lemanski, Goodrich	Bing Liu, Koch Membranes
Lihong Bao, Carbozyme	Santosh Sonalkar, Chevron	
Yang Su, Microfluidics (IDEX)	Pingjiao Hao, MTR	
Xi Du, Esquel	Rahul Patil, Sabic	Yuecun Lou, ProSep
Norfamilabinti Chemat, current	Ghazaleh Vaseghi, current	

Graduate Advisor

Professor Morton M. Denn, City College of New York