



Curriculum Vitae

Name: Jo-Ming Tseng

Education degree: Ph.D., Institute of Engineering Science and Technology, National Yunlin University of Science and Technology (NYUST), Taiwan

Postal address: 666, Buzih Road, Beitun District, Taichung, 40601 Taiwan

Phone: 886-4-2239-1647 ext. 6860

Cellular phone: 886-82-321-286

Fax: 886-4-2239-9934

E-mail: jmtseng@ctust.edu.tw

Research and Teaching Interests

Process Safety; Reaction Engineering; Thermal Analysis by Calorimetry; Fire and Explosion Prevention; Chemical Emergency Response Technique; Chemical Process Quantitative Risk Assessment

Current Position

Associate Professor, Department of Safety, Health, and Environmental Engineering, Central Taiwan University of Science and Technology, Taiwan (February, 2013–present)

Professional Experience

Assistant Professor, Institute of Safety and Disaster Prevention Technology, Central Taiwan University of Science and Technology, Taiwan (August, 2009–January, 2013)

Visiting Scholar, Department of Chemistry, National Chung Hsing University, Taiwan (January–June, 2010)

Post Doc., Department of Safety, Health, and Environmental Engineering, NYUST, Taiwan (January–July, 2009)

Adjunct Assistant Professor, Department of Fire Science, WuFeng Institute of Technology, Taiwan (February–July, 2009)

Adjunct Assistant Professor, Department of Styling and Cosmetology, Chienkuo Technology University, Taiwan (2007–2009)

Lecture, Education Resource Center, Ministry of Education, Taiwan (2005–2007)

Adjunct Lecture, National United University, Taiwan (2007–2008)

Membership of Professional Societies

Member, Taiwan Disaster Prevention Society (August, 2010–present)

Member, The Chinese Institute of Environmental Engineering (August, 2010–present)

Member, Occupational Hygiene Association of Taiwan (October, 2010–present)
Member, Chinese Association of Fire Protection (March, 2010–present)
Member, Society of Fire Protection Engineers (October, 2010–present)
Technical Consultant, Pressure Vessel Association of ROC, Taiwan (January, 2009–present)
Technical Consultant, Emergency Response Team, EPA, Taichung, Taiwan (August–December, 2009)
Technical Consultant, Yi Tong Limited Co., Taiwan (January–July, 2009)

Editorial Activity

Editor-in-Chief, Open Journal of Safety Science and Technology (ISSN Online: 2162-6006) (March, 2013–present)
Associate Editor, Open Journal of Organic Polymer Materials (ISSN Online: 2164-5752) (May, 2013–present)
Editorial Board Member, Research Journal of Chemistry and Environment (SCI) (August, 2009–present)
Editorial Board Member, Journal of Loss Prevention in the Process Industries (SCI) (December, 2013–present)
Editorial Board Member, Jacobs Journal of Organic Chemistry (2016–present)
Editorial Board Member, Progress in Engineering (PE) (2014–present)
Editorial Board Member, Current Environmental Engineering (ISSN 2212-7186) (2014–present)
Editorial Board Member, Advanced Research in Engineering Sciences (December, 2013–present)
Editorial Board Member, Journal of Environmental Engineering & Ecological Science (ISSN 2050-1323) (December, 2012–present)
Editorial Board Member, Advances in Energy Engineering (December, 2012–present)
Editorial Board Member, Studies in System Science (January, 2013–present)
Editorial Board Member, International Journal of Automation and Control Engineering (IJACE) (March, 2013–present)
Editorial Board Member, International Journal of Advanced Technology and Engineering Research (IJATER) (March, 2013–present)
Editorial Board Member, International Journal of Engineering Practical Research (IJEPR) (April, 2013–present)
Guest Editor, International Journal of Quality, Statistics, and Reliability (November, 2010–present)
Program Committee, IEEE International Conference on Systems, Man, and Cybernetics (April, 2011–present)
Reviewer, Journal of Photochemistry and Photobiology B: Biology (SCI) (June,

2012–present)

Reviewer, Journal of Photochemistry and Photobiology A: Chemistry (SCI) (July, 2012–present)

Reviewer, Industrial & Engineering Chemistry Research (SCI) (June, 2012–present)

Reviewer, Journal of Molecular Catalysis A: Chemical (SCI) (February, 2012–present)

Reviewer, Thermochemica Acta (SCI) (December, 2011–present)

Reviewer, Process Safety and Environmental Protection (SCI) (June, 2011–present)

Reviewer, Separation and Purification Technology (SCI) (April, 2011–present)

Reviewer, Journal of Thermal Analysis and Calorimetry (SCI) (March, 2011–present)

Reviewer, Journal of Loss Prevention in the Process Industries (SCI) (April, 2011–present)

Reviewer, Safety Science (SCI) (August, 2009–present)

Reviewer, Stochastic Environmental Research & Risk Assessment (SCI) (November, 2010–present)

Reviewer, Nature Science (February, 2013–present)

Reviewer, International Journal of Engineering Practical Research (IJEPR) (March, 2013–present)

Reviewer, IEEE International Conference on Systems, Man, and Cybernetics (August, 2009–present)

Reviewer, Sound and Music Computing Conference (August, 2009–present)

Reviewer, 2nd/2011 International Conference on Manufacturing Science and Engineering (November, 2010–present)

Awards & Honors

1. Marquis Who's Who in the World (2012 Edition) · Marquis.
2. IBC's Top 100 Engineers-International biographical Centre, Cambridge, UK, 2012.

Publications

Papers in conference: 120

Papers in peer-reviewed SCI Journals:

1. **J. M. Tseng**, Y. F. Lin, “Evaluation of a Tert-butyl Peroxybenzoate Runaway Reaction by Five Kinetic Models”, *IEC Research*, 50(8), pp. 4783–4787, 2011. **(SCI)**.
2. **J. M. Tseng**, C. P. Lin, S. T. Huang, J. Hsu, “Kinetic and Safety Parameters Analysis for 1,1,-Di-(tert-butylperoxy)-3,3,5-trimethylcyclohexane in Isothermal and Non-isothermal Conditions”, *Journal of Hazardous Materials*, 192, pp. 1427–1436, 2011. **(SCI)**.
3. **J. M. Tseng**, C. P. Lin, “Green Thermal Analysis Technology for Evaluating the Thermal Hazard of Di-tert-butyl Peroxide”, *IEC Research*. 50(16), pp. 9487–9494, 2011. **(SCI)**.
4. C. P. Lin, Y. M. Chang, **J. M. Tseng**, M. L. You, “Comparison of the Isothermal and Non-isothermal Kinetics for Predicting the Thermal Hazard of Tert-butyl

- Peroxybenzoate”, *Advanced Materials Research*. 328–330, pp. 124–127, 2011. **(EI)**.
5. C. H. Su, C. L. Chiang, **J. M. Tseng**, Y. P. Chiu, “Full-scale Experiment Research for Performance Analysis of a Mechanical Smoke Exhaust System”, *International Journal of the Physical Sciences*. 6(14), pp. 3524–3538, 2011. **(SCI)**.
 6. Y. M. Chang, M. L. You, C. H. Lin, S. Y. Wu, **J. M. Tseng**, C. P. Lin, Y. L. Wang, C. M. Shu, “Fire and Explosion Hazard Evaluation for the Acetone Aqueous Solutions”, *Journal of Thermal Analysis and Calorimetry*, 106, pp. 179–189, 2011. **(SCI)**.
 7. Y. C. Chu, J. R. Chen, **J. M. Tseng**, L. C. Tsai, C. M. Shu, “Evaluation of Runaway Thermal Reactions of di-tert-butyl Peroxide Employing Calorimetric Approaches”, *Journal of Thermal Analysis and Calorimetry*, 106, pp. 227–234, 2011. **(SCI)**.
 8. C. P. Lin, J. Z. Lin, C. M. Shu, **J. M. Tseng**, “Multi-walled carbon nanotube thermal stability characteristics evaluation by DSC tests”, *Journal of Loss Prevention in the Process Industries*, 25, pp. 302–308, 2012. **(SCI)**.
 9. Y. F. Lin, C. P. Lin, L. Y. Chen, T. S. Su, **J. M. Tseng**, “Effect of Different Concentrations of Acetone for the Decomposition Reactions of Peroxyketal Peroxides”, *Thermochimica Acta*, 527, pp. 27–32, 2012. **(SCI)**.
 10. I. Y. Hsu, T. S. Su, C. S. Kao, Y. L. Shu, P. R. Lin, **J. M. Tseng**, “Analysis of Business Safety Performance by Structural Equation Models”, *Safety Science*, 50, pp. 1–11, 2012. **(SCI)**.
 11. C. P. Lin, **J. M. Tseng**, “Green Technology for Improving Process Manufacturing Design and Storage Management of Organic Peroxide”, *Chemical Engineering Journal*, 180, pp. 284–292, 2012. **(SCI)**.
 12. **J. M. Tseng**, C. P. Lin, “Prediction of Incompatible Reaction of Dibenzoyl Peroxide by Isothermal Calorimetry Analysis and Green Thermal Analysis Technology”, *Journal of Thermal Analysis and Calorimetry*. 107, pp. 927–933, 2012. **(SCI)**.
 13. **J. M. Tseng**, T. C. Wu, T. F. Hsieh, P. J. Huang, C. P. Lin, “The thermal hazard evaluation of 1,1-di (tert-butylperoxy) cyclohexane by DSC using non-isothermal and isothermal kinetic simulations”, *Journal of Loss Prevention in the Process Industries*. 25, pp. 703–708, 2012. **(SCI)**.
 14. T. S. Su, P. R. Lin, Y. L. Shu, **J. M. Tseng**, C. S. Kao, “Analysis of the Multi-Relationships and Their Structures for Safety Culture”, *Open Journal of Safety Science and Technology*, 2, pp. 89–97, 2012. **(SCIRP)**.
 15. J. L. Chen, J. Z. Lin, C. P. Lin, C. H. Su, Y. F. Lin, W. D. Yang and **J. M. Tseng**,

- “Inhibition reaction for 1, 1, -di-tert-butylperoxy-3,3,5-trimethylcyclohexane mixed with monoammonium phosphate by DSC”, *Research Journal of Chemistry and Environment*. 16(4), pp. 149–154, 2012. **(SCI)**.
16. L.Y. Chen, C.H. Su, K.Y. Chuang, C.P. Lin, S.W. Yu, **J.M. Tseng**, “Isothermal and Non-isothermal Kinetic and Safety Parameters Evaluation of Tert-butyl(2-ethylhexyl)monoperoxy Carbonate by DSC”, *Korean Journal of Chemical Engineering*, 29(10), pp. 1292–1297, 2012. **(SCI)**.
17. J. M. Tseng, J. Z. Lin, C. C. Lee, C. P. Lin, Prediction of TMCH Thermal Hazard with Various Calorimetric Tests by Green Thermal Analysis Technology, *AIChE Journal*, 58(12), pp. 3192–3798, 2012. **(SCI)**.
18. **J. M. Tseng**, T. F. Hsieh, Y. M. Chang, Y. C. Yang, L. Y. Chen, C. P. Lin, “Prediction of Thermal Hazard of Liquid Organic Peroxides by Non-isothermal and Isothermal Kinetic Model of DSC Tests”, *Journal of Thermal Analysis and Calorimetry*. 109(3), pp. 1095–1103, 2012. **(SCI)**.
19. Y. K. Chang, T. S. Su, Y. Ouyang, **J. M. Tseng**, “Employee Impact and Attitude Analysis for GHS Implementation in Taiwan”, *Industrial Health*. 51, pp. 353–363, 2013. **(SCI)**.
20. Y. K. Chang, K. Y. Chuang, **J. M. Tseng**, F. C. Lin, T. S. Su, “Hazardous Workplace Review Program in Taiwan”, *Industrial Health*. 551, pp. 432–442, 2013. **(SCI)**.
21. **J. M. Tseng**, S. T. Huang, Y. S. Duh, T. Y. Hsieh, Y. Y. Sun, J. Z. Lin, H. C. Wu, C. S. Kao, “Thermal analysis and safety information for metal nanopowders by DSC”, *Thermochimica Acta*. 566, pp. 257–260, 2013. **(SCI)**.
22. S. W. Liao, C. C. Hsieh, K. Y. Li, S. Y. Tsai, **J. M. Tseng**, J. S. Li, C. P. Lin, “Storage lifetime management and thermal hazard assessment of thermally reactive material”, *Journal of Thermal Analysis and Calorimetry*. 116, pp. 205–214, 2014. **(SCI)**.
23. I.T. Chu, S.Y. Tsai, W.T. Huang, **J.M. Tseng**, J.S. Li, and C.P. Lin, “Modelling Method for Preventing Thermal Runaway Reaction Accident of Thermal Reactive Material”, *Advanced Materials Research*. 936, pp. 2030–2034, 2014. **(EI)**.