

RESUME - WONG TIN WUI

PERSONAL PARTICULARS

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Age: 42

ACADEMIC ACHIEVEMENTS

Year	Qualification	Institute
1994-1999	Ph.D (Pharm)	Department of Pharmacy National University of Singapore
1993-1994	BSc (Pharm) (Hons)	Department of Pharmacy National University of Singapore
1990-1993	BSc (Pharm)	Department of Pharmacy National University of Singapore

WORKING EXPERIENCE

Year	
2011 onwards	Head of School of Pharmaceutics, Universiti Teknologi MARA
2008 onwards	Associate Professor, Faculty of Pharmacy, Universiti Teknologi MARA
2006 onwards	Director/Head of Non-Destructive Biomedical and Pharmaceutical Research Center, University of Technology MARA
2007-2011	Head of Pharmaceutics and Pharmaceutical Biotechnology Department, Faculty of Pharmacy, Universiti Teknologi MARA.
2003-2008	Senior Lecturer Faculty of Pharmacy University of Technology MARA (UiTM), Malaysia
2002-2003	Senior research associate Kotra Pharma (M) Sdn Bhd, Malaysia
1999-2002	Post-doctoral research fellow Department of Pharmacy National University of Singapore, Singapore

RESEARCH CENTER/LABORATORY/UNIT SET-UP

Non-Destructive Biomedical and Pharmaceutical Research Center. (planning: Aug 2005; approval obtained: Dec 2006).

Perkin Elmer-UiTM Pharmaceutical and Biomedical Characterization Research Laboratory (set up Jan 2010-Feb 2012).

RESEARCH STUDENTS

4 PhD and 19 MSc postgraduate students.

RESEARCH EVALUATION EXPERIENCE

1. Pharmaceutical Research.
2. Nanomedicine.
3. International Journal of Pharmaceutics.
4. Journal of Pharmacy and Pharmacology.
5. Progress in Electromagnetics Research.
6. Journal of Drug Targeting.
7. Toxicology In Vitro.
8. Molecular Pharmaceutics.
9. Macromolecular BioScience.
10. Measurement.
11. Starch.
12. Analytical and Bioanalytical Chemistry.
13. Recent Patents on Drug Delivery and Formulation.
14. Journal of Antimicrobial Chemotherapy.
15. Journal of Electromagnetic Waves and Applications.
16. Advanced Powder Technology.
17. AAPS PharmSciTech.
18. Sensors & Actuators: B. Chemical.
19. Expert Opinions on Therapeutic Patents.
20. IEEE Transactions on Instrumentation & Measurement.
21. Drug Development and Industrial Pharmacy.
22. Pharmaceutical Development and Technology.
23. Drug Design, Development and Therapy.
24. Complementary Therapies in Medicine.
25. Pharmaceutical Biology.
26. Current Drug Delivery.
27. PDA Journal of Pharmaceutical Science and Technology.
28. British Journal of Pharmaceutical Research.
29. Expert Opinions on Drug Delivery.
30. Journal of Applied Polymer Sciences.
31. International Journal of Nanomedicine.
32. Journal of Bioequivalence and Bioavailability.
33. International Journal of Pharmacy and Pharmaceutical Sciences.
34. Malaysian Journal of Pharmaceutical Sciences.

35. Hypothesis.
36. Therapeutic Delivery.
37. Bentham Publisher book reviewer.
38. Braingain programme, Academy of Sciences Malaysia.
39. Postgraduate thesis (local MSc and PhD; Overseas PhD).
40. 4th Asian Association of Schools of Pharmacy – 9th Malaysian Pharmaceutical Society of Pharmacy Scientific Conference 2009 paper.
41. Asean Scientific Conference in Pharmaceutical Technology 2008 paper.
42. Malaysian Pharmaceutical Society Pharmacy Scientific Conference 2011 papers.
43. NanoTech Malaysia 2007 paper.
44. CSSR conference paper.
45. International Conference on Advancement of Materials and Nanotechnology paper.
46. National research product exhibition.

RESEARCH APPOINTMENT

1. Member of Expert review panel (ERP) for Nanotechnology for National Brain Gain Programme, Malaysia. (2006 onwards).
2. Honorary Visiting Research Fellow, University of Bradford, UK (2001).
3. Drug Delivery Technologies Chapter expert in Technology Foresight Study, Malaysian Biotechnology Corporation (2007).
4. Secretary for Malaysia Nanotechnology Association (2007 onwards).
5. Director of Non-Destructive Biomedical and Pharmaceutical Research Centre (2008 onwards).
6. Scientific Committee of 4th Asian Association of Schools of Pharmacy – 9th Malaysian Pharmaceutical Society Pharmacy Scientific Conference 2009 on Cutting edge research and quality education towards excellent pharmacy practice.
7. Research and Postgraduate Committee of Faculty of Pharmacy, UiTM (Aug 2009 onwards).
8. Coordinator of Parma University, Italy-UiTM collaboration (2009-2014).
9. Organizing committee member of Scientific Writing Seminar (Oct 2009).
10. Secretary of Nanotech Malaysia 2009 (Oct 2009).
11. Organizing chairman for International Conference and Exhibition on Pharmaceutical, Nutraceutical and Cosmeceutical technology 2010 (May 2010).
12. Plenary session chair for International Conference and Exhibition on Pharmaceutical, Nutraceutical and Cosmeceutical technology 2010 (May 2010).
13. Poster judge for International Conference and Exhibition on Pharmaceutical, Nutraceutical and Cosmeceutical technology 2010 (May 2010).
14. Technical committee for International Conference on the Advancement of Materials and Nanotechnology 2010 (ICAMN II 2010) (June 2010).
15. Keynote session chair for International Conference on the Advancement of Materials and Nanotechnology 2010 (ICAMN II 2010) (Nov 2010).
16. Vice Chancellor Special Project member on Strategic alliance with top-notch research centres (July 2010 – Jun 2012).
17. Chair of Pharmaceutical Technology section, Scientific Committee of Malaysian Pharmaceutical Society Pharmacy Scientific Conference 2011.
18. Chair of Plenary and invited session of Malaysian Pharmaceutical Society Pharmacy Scientific Conference 2011.
19. Steering Committee National Nanotechnology Directorate, Ministry of Science, Technology and Innovation Malaysia (2011).

20. Chair of Exhibition Committee for PECIPTA 2011 – coordinate exhibition officially and business matching/sponsorship (2011).
21. Associate of Academy of Sciences Malaysia (March 2011).
22. Honorary Jury members of the Maurice-Marie Janot Award and Lecture 2012: The Association Française des Enseignants de Pharmacie Galénique, The Association de Pharmacie Galénique Industrielle (APGI), Sanofi-Aventis (Sept 2011).
23. Member of Academy of Sciences Task Force Enhancing Research and Development in Health Sciences (2011-2013) (Sept 2011).

EDITORSHIP

1. Conference proceedings editor for AsiaSense and International Conference on New Techniques in Pharmaceutical and Biomedical Research (2005).
2. Editor of UiTM Pharmacy Internationalization.
3. Conference editor for Pharmatech 2010 (May 2010).
4. Conference editor for International Conference on Advancement of Materials and Nanotechnology (ICAMN 2007).
5. Editor for American Institute of Physics ISBN978-0-7354-0760-2 AIP conference proceedings 1217 (2010).
6. Conference editor for International Journal of Pharmacy and Pharmaceutical Sciences, India (2010).
7. Associate Editor, International Journal of Pharmacy and Pharmaceutical Sciences ISSN: 0975-1491 www.scopus.com (Elsevier).
8. Editorial Board member, British Journal of Pharmaceutical Research (March 2011 onwards).
9. Editorial Board members, The Scientific World Journal, impact factor: 1.524 (2011 onwards).

INTERNATIONAL/LOCAL ADVISORY BOARD

1. Asian Pharmaceutics Graduate Congress on The Science of Product Design and Pharmaceutical Technology held in Singapore (Sept 2006).
2. International Conference on Advancement of Materials and Nanotechnology held in Malaysia (May 2007).
3. International Conference on Nanotechnology-Research and Commercialization (ICONT 2009) held in Malaysia (Dec 2009). Advisory Committee-Malaysia Nanotechnology Association.

CONSULTANCY EXPERIENCE

1. AsiaSense Conference (April-Sept 2005).
2. Usage of herbal products and quality of life. In collaboration with Herbal Revival Sdn Bhd as contract research (June 2006).
3. Chairman and organizer of International Conference and Exhibition on Pharmaceutical, Nutraceutical and Cosmeceutical Technology: Formulation and Applications 2010 (March 2009).
4. Seminar on Scientific Writing (Nov 2009).
5. Spiros Licoudis, Concrete Laboratory, Greece on Microwave Application (e-consultation) (Oct 2010).

6. Industrial PhD project with INQPHARM Sdn Bhd, Malaysia (Malaysia-Global Operational Headquarter, Germany-Regional office, Singapore-Holding company) (March 2011).

OVERSEAS/INDUSTRY COLLABORATION

1. National University of Singapore, Singapore.
2. ISP, USA/Singapore.
3. Parma University, Italy.
4. Ferrara University, Italy.
5. Tefarco Innova, Italy.
6. Perugia University, Italy.
7. Glaxo Wellcome, Singapore.
8. Safire Pharmaceuticals (M) Sdn Bhd, Malaysia.
9. Dhirubhai Ambani Institute of Information and Communication Technology, DA-IICT Near Indroda Circle, Gandhinagar, 382007, Gujarat, India.
10. InQPharm, Germany.

MEMORANDUM OF AGREEMENT

Initiation, preparation and finalization of Memorandum of Agreement between Parma University, Italy and UiTM, Malaysia on research, education and culture linkages.

Initiation, preparation and finalization of Memorandum of Agreement between Perugia University, Italy and UiTM, Malaysia on research, education and culture linkages.

TEACHING EXPERIENCE

- ◆ University lecture on
 - (a) Physical pharmacy/Advanced pharmaceuticals/Fundamentals of pharmaceuticals
 - (b) Dosage form design/Drug delivery system
 - (c) Pharmacy practice
 - (d) Industrial pharmacy
 - (e) Pharmaceutical quality assurance
 - (f) Research instrument
 - (g) Pharmaceutical material and product characterization

CURRICULUM REVIEW

Curriculum review for Bachelor of Pharmacy (Hons), Faculty of Pharmacy, Cyberjaya University College of Medical Sciences (Oct 2010).

Curriculum review with Ministry of Education held in Malaysia (Oct 2010).

Examination review for International Medical University, Malaysia (2011-13).

Board of study member of Faculty of Pharmacy, SEGI University College, Malaysia (Aug 2011 onwards).

ACADEMIC AWARDS

Year

- 2011 High Impact Factor Journal Award held in Malaysia (Nov 2011).
- Silver medal: HealCel-Drug-free solid nanoporous microbe removal dressing for partial thickness wound healing. BioMalaysia 2011 held in Malaysia (Nov 2011).
- 2010 Gold medal for HealCel- A drug-free solid nanoporous dressing for superficial/partial thickness wound healing. BioMalaysia 2010 held in Malaysia (Oct 2010).
- Gold medal for Heal Cel: A drug free dressing for wound healing at IID 2010 held in UiTM
- Silver medal: HealCel- A drug-free solid nanoporous dressing for superficial/partial thickness wound healing. 2010 Seoul International Invention Fair held in Korea (Dec 2010).
- Top second prize for Coat-free intestinal-specific polyguluronic acid-rich pellets. IID SE Campus Puncak held in Malaysia (Sept 2010).
- Silver award for Coat-free intestinal-specific polyguluronic acid-rich pellets. IID SE UiTM held in Malaysia (Oct 2010).
- Best poster award for Modulation of drug release responses of spray-dried alginate microspheres by microwave. International Conference and Exhibition on Pharmaceutical, Nutraceutical and Cosmeceutical Technology: Formulation and Applications held in Malaysia (May 2010).
- Best poster award for Mannuronic and guluronic acid-rich alginate nanoparticles as oral insulin carrier. International Conference and Exhibition on Pharmaceutical, Nutraceutical and Cosmeceutical Technology: Formulation and Applications held in Malaysia (May 2010).
- Best poster award for Drug-free sodium carboxymethylcellulose scaffold as partial thickness wound dressing. International Conference and Exhibition on Pharmaceutical, Nutraceutical and Cosmeceutical Technology: Formulation and Applications held in Malaysia (May 2010).
- 2009 Best poster award: In vivo evaluation of sodium carboxymethylcellulose film as dressing for partial contact wound. 7th Costam/Society for Free Radical Research (SFRR) (Malaysia/Asia) Workshop and 4th Biennial Meeting of SFRR Asia held in Malaysia (July 2009).
- Best poster award (2nd prize). Nurul Hidayah, M.S., Nur Zahirah, M.Z., Wong, T.W.. Effects of zinc chloride on drug release property of alginate spheroids. The 18th Scientific Conference Electron Microscopy Society of Malaysia held in Malaysia (Oct 2009).

- 2008 Best poster award (Food and Product Technology): Thin layer drying of alginate biopolymer. 15th Regional Symposium on Chemical Engineering held in Malaysia (Dec 2008).
- 2007 Excellent Service Award UiTM for year 2006.
- Gold medal for FlatusorbTM: Flatus filter. British Invention Show (Oct 2007).
- Silver medal for FlatusorbTM: A solution to malodorous flatus. PECIPTA–International Exposition of Research and Invention of Institutions of Higher Learning 2007 (Aug 2007).
- Best oral presenter. Conference on Scientific and Social Research 2006/07 held in Malaysia (July 2007).
- First prize (staff category: Wong Tin Wui) on Annual Innovation Bank Islam-UiTM, Inventions, Innovations and Designs 2007 held in Malaysia (Jan 2007).
- First prize (student category: Nurjaya Sumiran) on Annual Innovation Bank Islam-UiTM, Inventions, Innovations and Designs 2007 held in Malaysia (Jan 2007).
- Third prize (student category: Nor Khaizan Anuar) on Annual Innovation Bank Islam-UiTM, Inventions, Innovations and Designs 2007 held in Malaysia (Jan 2007).
- Silver medal for FlatusorbTM: a solution to malodorous flatus. Inventions, Innovations and Designs 2007 held in Malaysia (Jan 2007).
- Bronze medal for Multiparticulate drug delivery system for herbal extracts. 35th International Exhibition of Inventions – New Techniques and Products held in Geneva (Apr 2007).
- 2006 Gold medal for Novel Excipient formulation for design of carbohydrate biopolymeric matrix as an oral drug delivery system. Seoul International Invention Fair 2006-The largest Bi-annual invention fair in Asia: A gateway to the huge asian market held in Korea (Dec 2006).
- Bronze medal for Design of microwave non-destructive testing technique for use in characterization of transdermal drug delivery system. Seoul International Invention Fair 2006-The largest Bi-annual invention fair in Asia: A gateway to the huge asian market held in Korea (Dec 2006).
- Golden Brand of Europe, Brussels 2006. Non-destructive microwave technique for characterization of transdermal patch. 55th World Exhibition of Innovation, Research and New Technologies held in Belgium (Nov 2006).
- Le Ministre Federal DE LA Fonction Publique et de L'integration Sociale. Non-destructive microwave technique for characterization of transdermal

patch. 55th World Exhibition of Innovation, Research and New Technologies held in Belgium (Nov 2006).

Gold medal for Non-destructive microwave technique for characterization of transdermal patch. 55th World Exhibition of Innovation, Research and New Technologies held in Belgium (Nov 2006).

Silver medal for Multi-particulate drug delivery system for herbal extracts. Biotechnology Asia held in Malaysia (August 2006).

Silver medal for Non-destructive microwave technique for characterization of transdermal patch. 17th International Invention, Innovation, Industrial Design and Technology Exhibition held in Malaysia (May 2006).

Bronze medal for Controlled-release drug delivery system prepared using microwave technology. 34th International Exhibition of Inventions – New Techniques and Products held in Geneva (Apr 2006).

Gold medal for Novel Excipient formulation for design of carbohydrate biopolymeric matrix as an oral drug delivery system. Malaysia Technology Exposition and exhibition held in Malaysia (Feb 2006).

Silver medal for Design of microwave non-destructive testing (NDT) technique for use in characterization of transdermal drug delivery system. Malaysia Technology Exposition and exhibition held in Malaysia (Feb 2006).

Gold medal for Innovative use of skin hydration measurement device in characterization of pharmaceutical drug delivery system. Invention and Innovation Competition UiTM on Expanding the Horizons of Inventions, Innovations and Designs held in Malaysia (Jan 2006).

Silver medal for Multiparticulate drug delivery system for herbal extracts. Invention and Innovation Competition UiTM on Expanding the Horizons of Inventions, Innovations and Designs held in Malaysia (Jan 2006).

First prize under the Faculty category for Industry Linkage Excellence Award (AKPI 2005) held in Malaysia (Nov 2005).

Second prize under the Individual category for Industry Linkage Excellence Award (AKPI 2005) held in Malaysia (Nov 2005).

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| 2005 | Silver medal for Design of controlled-release drug delivery system using microwave technology. IPTA Research and Development Exposition 2005 held in Malaysia. |
| 2005 | Silver medal for Standardised anti-diabetic herbal preparation. IPTA Research and Development Exposition 2005 held in Malaysia. |
| 2000 | Bronze award in National QC Convention, PSB Singapore |
| 1992-1993 | Robert Lin Memorial Silver Medal (Pharmacology) – the highest mark among medical, dental and pharmacy candidates
Robert Lin Memorial Bronze Medal (Pharmacology) – the highest mark among pharmacy candidates |

Department of Pharmacology, Faculty of Medicine,
National University of Singapore

T.H. Elliott Book Prize (Pharmacy)
Department of Pharmacy, Faculty of Science,
National University of Singapore

1988-1989 Chemistry Award, Malacca High School, Malacca, Malaysia
1982-1987 Science and History Awards, St David High School, Malacca, Malaysia

SCHOLARSHIPS

Year

1994-1997 NUS Research Scholarship (Pharmacy)
1992-1993 NUS Triangle Trust Scholarship (Pharmacy)

LANGUAGE / DIALECT PROFICIENCY

Language	Dialect
Bahasa Malaysia	Cantonese
English	Hainanese
Mandarin	

PROFESSIONAL ACCREDITATION and CERTIFICATE

1999-2003 Registered pharmacist in Singapore (renewable)
2004 Registered pharmacist in Malaysia
onwards

PROFESSIONAL MEMBERSHIP

2010-life	Asian Association of Schools of Pharmacy
2010 onwards	American Chemical Society
2007 onwards	Malaysia Nanotechnology Association
2005	Controlled Release Society (USA)
2006-life	Malaysian Society of Pharmaceutical Technology
2003 onwards	Malaysian Pharmaceutical Society (MPS)
1999, 2010 onwards	American Association of Pharmaceutical Scientists (AAPS)
1994-2003	Pharmaceutical Society of Singapore (PSS)

ASSOCIATION/SOCIETY

Proposed set up of Malaysia Nanotechnology Association in 2007 with official registration dated 15 Sept 2009.

INTERNATIONAL PUBLICATION

1. Wong TW, Sumiran N, Mohd Mokhtar MT, Kadir A. Blood glucose lowering property of water in oral insulin-fed diabetic rats. *Pharmaceutical Biology* (Correction).
2. Wong TW, Nurulaini H. Sustained-release alginate-chitosan pellets prepared by melt pelletization technique. *Drug Development and Industrial Pharmacy* (In Press).
3. Hamidi N, Wong TW, Taib MN. Characterization of nifedipine-hydroxypropylmethylcellulose films using visible spectrophotometry technique. *International Journal of Pharmacy and Pharmaceutical Sciences* 3(5), 410-417, 2011.
4. Wong TW. Alginate graft copolymers and alginate-co-excipient physical mixture in oral drug delivery. *Journal of Pharmacy and Pharmacology* 63(12), 1497-1512, 2011.
5. Wong TW. Oral fast-release solid dispersion – paradigm shift to nanoparticles. *Recent Patents on Drug Delivery and Formulation* 5(3), 227-243, 2011.
6. Nurulaini H, Wong TW. Design of in-situ dispersible and calcium crosslinked alginate pellets as intestinal-specific drug carrier by melt pelletization technique. *Journal of Pharmaceutical Sciences*, 100(6), 2248-2257, 2011.
7. Wong, T.W., Colombo, G., Sonvico, F. Pectin matrix as oral drug delivery vehicle for colon cancer treatment. *AAPS PharmSciTech*, 12(1), 201-214, 2011.
8. Ramli, N.A., Wong, T.W. Sodium carboxymethylcellulose scaffolds and their physicochemical effects on partial thickness wound healing. *International Journal of Pharmaceutics*, 403, 73-82, 2011.
9. Nor Khaizan, A, Wong T.W., Taib, M.N. Microwave modified non-crosslinked pectin films with modulated drug release. *Pharmaceutical Development and Technology*, 17(1), 110-117, 2012.
10. Yaacob I, Wong TW, Choo CY. Evaluation of hypoglycemic activity and toxicity profiles of the leaves of *Ficus deltoidea* in rodents. *Journal of Complementary and Integrative Medicine* 8(1) Article 5, 2011.
11. Ajmi, N.S., Choo, C.Y., Wong, T.W. Acute/subchronic oral toxicity of *Brucea javanica* seeds with hypoglycaemic activity. *Journal of Natural Remedies*, 11(1), 60-68, 2011.
12. ShimarizaAshikin, W.H.N., Wong, T.W., Law, C.L. Plasticity of hot air-dried mannuronate- and guluronate-rich alginate films. *Carbohydrate Polymers*, 81, 104-113, 2010.
13. Radman, E.M., Wong T.W. Effects of microwave on drug release responses of spray-dried alginate microspheres. *Drug Development and Industrial Pharmacy*, 36(10), 1149-1167, 2010.
14. Wong, T.W.. Design of oral insulin delivery systems. *Journal of Drug Targeting*, 18(2), 79-92, 2010.

15. Zakaria, Z., Wong, T.W. Chitosan spheroids with microwave modulated drug release. *Progress in Electromagnetics Research*, 99, 355-382 2009.
16. Noor Shahida A., Wong T. W., Choo C.Y. Hypoglycemic effect of quassinoids from *Brucea javanica* (L.) Merr (Simaroubaceae) seeds. *Journal of Ethnopharmacology*, 124(3), 586-591, 2009.
17. Wong, T.W., Law, C.L., Mujumdar, A.S.. Drying of Pharmaceutical Product. In *Guide to Industrial Drying: Principles, equipment and new developments*, A.S. Mujumdar (ed.), International Drying Symposium 2008, 201-221, India. ISBN-10:81-907371-3-9; ISBN-13:978-81-907371-3-5.
18. T.-W. Wong, A. Iskhandar, M. Kamal, S.-J. Jumi, N.-H. Kamarudin, N.-Z. Mohamad Zin, N.-H. Mohd Salleh. Effects of microwave on water and its influence on drug dissolution. *Progress in Electromagnetics Research C*, 11, 121-136, 2009..
19. Wong, T.W.. Chitosan and its use in design of insulin delivery system. *Recent Patents on Drug Delivery and Formulation*, 3(1), 8-25, 2009.
20. Wong, T.W., Selasiah, A.W. and Yolande, A.. Drug release responses of zinc ion crosslinked poly(methyl vinyl ether-co-maleic acid) matrix towards microwave. *International Journal of Pharmaceutics*, 357, 154-163, 2008.
21. Wong, T.W., Sumiran, N.. Drug release property of chitosan-pectinate beads and its changes under the influence of microwave. *European Journal of Pharmaceutics and Biopharmaceutics*, 69, 176-188, 2008.
22. Lee, C.C., Ong, C.L.C., Heng, P.W.S., Chan, L.W., Wong, T.W.. Interactive mixture as rapid drug delivery system. *Drug Development and Industrial Pharmacy*, 34, 206-214, 2008.
23. Wong, T.W., Deepak, K. Ghodgaonkar, Mohd Nasir, T., Nor Khaizan, A.. Microwave non-destructive testing technique for characterization HPMC-PEG 3000 films. *International Journal of Pharmaceutics*, 343(1-2), 122-130, 2007.
24. Wong, T.W.. Basis of use of microwave in processing of drug delivery systems. *Current Drug Delivery* 5(2), 77-84, 2008.
25. Cheong, W.S., Wong, T.W. and Heng, P.W.S.. Impact of a non-meltable additive on melt agglomeration with a hydrophobic meltable binder in high shear mixer. *Pharm. Dev. Technol.*, 12(4), 371-380, 2007.
26. Wong, T.W., Selasiah, A.W. and Yolande, A.. Effects of microwave on drug release property of poly(methyl vinyl ether-co-maleic acid) matrix. *Drug Development and Industrial Pharmacy*, 33, 737-746, 2007
27. Nor Khaizan, A., Wong, T.W., Deepak, K. Ghodgaonkar and Mohd Nasir, T.. Characterization of hydroxypropylmethylcellulose films using microwave non-destructive testing technique. *Journal of Pharmaceutical and Biomedical Analysis* 43, 549-557, 2007.

28. Nurjaya, S. and Wong, T.W.. Effects of microwave on drug release properties of matrices of pectin. *Carbohydrate polymers* 62(3), 245-257, 2005.
29. Wong, T.W., Chan, L.W., Kho, S.B. and Heng, P.W.S.. Aging and microwave effects on alginate/chitosan matrices. *Journal of Controlled Release* 104, 461-475, 2005.
30. Wong, T.W., Cheong, W.S. and Heng, P.W.S.. Melt granulation and pelletization. *Handbook of Pharmaceutical Granulation Technology* 2nd Edition, Dilip M. Parikh (Ed), 2nd Edition, Vol. 154, Chapter 13, pp. 385-406, Marcel Dekker, USA.
31. Heng, P.W.S., Wong, T.W. and Cheong, W.S.. Investigation of melt agglomeration process with a hydrophobic binder in combination with sucrose stearate. *Eur. J. Pharm. Sci.* 19, 381-393, 2003.
32. Heng, P.W.S., Chan, L.W. and Wong, T.W.. Formative process of alginate microspheres produced by an emulsification method. *Journal of Microencapsulation* 20 (3), 401-413, 2003.
33. Wong, T.W. and Heng, P.W.S.. Melt processes for oral solid dosage forms. *Encyclopedia of Pharmaceutical Technology*, Marcel Dekker, USA, 1-6, 2003.
34. Chan, L.W., Wong, T.W., Chua, P.C., York, P. and Heng, P.W.S.. Anti-tack action of polyvinylpyrrolidone in hydroxypropylmethylcellulose solution. *Chem. Pharm. Bull.* 51 (2), 107-112, 2003.
35. Wong, T.W., Chan, L.W., Kho, S.B. and Heng, P.W.S.. Design of controlled-release solid dosage forms of alginate and chitosan using microwave. *Journal of Controlled Release* 84 (3), 99-114, 2002.
36. Wong, T.W., Lee, H.Y., Chan, L.W. and Heng, P.W.S.. Release characteristics of pectinate microspheres prepared by an emulsification technique. *Journal of Microencapsulation*. 19 (4), 511-522, 2002.
37. Wong, T.W., Lee, H.Y., Chan, L.W. and Heng, P.W.S.. Drug release properties of pectinate microspheres prepared by emulsification method. *Int. J. Pharm.* 242, 233-237, 2002.
38. Wong, T.W., Heng, P.W.S., Yeo, T.N. and Chan, L.W.. Influence of polyvinylpyrrolidone on aggregation propensity of coated spheroids. *Int. J. Pharm.* 242, 357-360, 2002.
39. Wong, T.W., Chan, L.W. and Heng, P.W.S.. Study of melt pelletization process focusing on the micromeritic properties of pellets. *Chem. Pharm. Bull.* 48 (11), 1639-1643, 2000.
40. Heng, P.W.S., Wong, T.W. and Chan, L.W.. Influence of production variables on the sphericity of melt pellets. *Chem. Pharm. Bull.* 48 (3), 420-424, 2000.
41. Heng, P.W.S., Wong, T.W. and Wan, L.S.C.. A probe test method for determination of molten binder tack. *Pharm. Dev. and Technol.* 4 (3), 457-460, 1999.

42. Wong, T.W., Wan, L.S.C. and Heng, P.W.S.. Effects of physical properties of PEG 6000 on pellets produced by melt pelletization. *Pharm. Dev. and Technol.* 4 (3), 449-456, 1999.
43. Heng, P.W.S., Wan, L.S.C. and Wong, T.W.. Effect of off-bottom clearance on properties of pellets produced by melt pelletization. *Pharm. Dev. and Technol.* 4 (1), 27-33, 1999.
44. Heng, P.W.S., Wong, T.W., Shu, J.J. and Wan, L.S.C.. A new method for the control of size of pellets in the melt pelletization process with a high shear mixer. *Chem. Pharm. Bull.* 47 (5), 633-638, 1999.

NATIONAL PUBLICATION

1. Lua, P.L., Wong, T.W., Kalavathy, R., Lim, S.M.. Flatusorb: A unique flatus odour filter for patients with excessive eructation. *The Malaysian Journal of Medical Sciences*, vol 14, supp. 1, p103, 2007.
2. Lua, P.L., Wong, T.W.. Health related quality of life evaluation among consumers of herbal products. *The Malaysian Journal of Medical Sciences*, vol 14, supp. 1, p167, 2007.
3. Hamidi, N., Taib, M.N., Wong, T.W.. Analysis of nifedipine content in transdermal drug delivery system using non-destructive visible spectrophotometry technique. *The Malaysian Journal of Analytical Sciences*, vol 12 (2), 348-351, 2008.
4. Ramli, N.A., Wong, T.W.. In vivo investigation of sodium carboxymethylcellulose dressing for partial thickness wound on rats. *Malaysian Journal of Pharmacy PPT18*, 1(7), 2009.
5. Ekha Mardziah, R., Wong, T.W. Effects of microwave on drug release profiles of spray-dried alginate microspheres. *Malaysian Journal of Pharmacy PPT18*, 1(7), 2009.
6. Wan Hussin, N.S.A., Wong, T.W., Law, C.L. Plasticity attribute of thin alginate films. *Malaysian Journal of Pharmacy PPT18*, 1(7), 2009.
7. Anuar, N.K., Wong, T.W., Taib, M.N. Effect of microwave on drug release property of pectin films carrying drugs of different aqueous solubilities. *Malaysian Journal of Pharmacy PPT18*, 1(7), 2009.

MOST ACCESSED ARTICLE

1. Wong, T.W.. Chitosan and its use in design of insulin delivery system. *Recent Patents on Drug Delivery and Formulation*, 3(1), 8-25, 2009.
2. Wong, T.W. Design of oral insulin delivery systems. *Journal of Drug Targeting*, 18(2), 79-92, 2010.
3. Yaacob I, Wong TW, Choo CY. Evaluation of hypoglycemic activity and toxicity profiles of the leaves of *Ficus deltoidea* in rodents. *Journal of Complementary and Integrative Medicine* 8(1) Article 5, 2011. (2011 onwards)

4. Anuar NK, Wong TW, Ghodgaonkar DK, Taib MN. Use of microwave non-destructive testing (NDT) technique to characterize the film for applications in transdermal drug delivery system. AsiaSense and International Conference on New Techniques in Pharmaceutical and Biomedical Research 2005 (2011 onwards).

CONFERENCE / SEMINAR

1. Wan Hussin NSA, Wong TW, Law CL. Effects of processing temperature and polymer concentration on plasticity of hot air-dried mannuronate-rich alginate films. Asian Federation for Pharmaceutical Sciences Conference 2011 held in Malaysia (Oct 2011).
2. Awaludin AN, Lee CK, Wong TW. Pharmacists in the eye of the stakeholders: What does the public think? The 2nd International Conference on Pharmacy and Advanced Pharmaceutical Sciences held in Indonesia (July 2011).
3. Wong TW. Elsevier Journals Webinar: A 20:20 vision on the future of peer review. Reviews' Update (April 2011).
4. Colombo G, Corcelli AD, Fiocchi S, Menegatti E, Rimessi A, Wong TW, Colombo P, Sonvico F. Alginate and cell combination product for wound healing. International Conference on Allied Health Sciences held in Malaysia (July 2011).
5. Ramli, NA, Wong TW. Drug-free sodium carboxymethylcellulose scaffold as partial thickness wound dressing. Professorial lecture held in Malaysia (Feb 2011).
6. Wan Hussin NSA, Wong TW, Law CL. Plasticity of hot air-dried mannuronate- and guluronate-rich alginate films. Professorial lecture held in Malaysia (Feb 2011).
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142. Najihah, M.T., Deepak, K.G., Mohd Nasir, T. and Wong, T.W.. Microwave characterization of human skin in vivo in the frequency range 18 – 40 GHz. IRPA Seminar held in Malaysia (Feb 2005).
143. Selasiah, W., Wong, T.W. and Yolande, A.. Controlled-release matrix of poly(methyl vinyl ether-co-maleic acid). Controlled Release Society 32nd Annual Meeting and Exposition held in Florida, USA (June 2005).
144. Nurjaya, S. and Wong, T.W.. Design of controlled-release matrices of pectin using microwave technology. Controlled Release Society 32nd Annual Meeting and Exposition held in Florida, USA (June 2005).
145. Heng, P.W.S., Wong, T.W. and Cheong, W.S.. Effects of a non-melttable additive on the size and crushing strength of melt pellets prepared in a high shear mixer. American

Association of Pharmaceutical Scientists Annual Meeting and Exposition held in Baltimore, USA (Nov 2004).

146. Wong, T.W., Lee, C.C., Ong, L.C., Chan, L.W. and Heng, P.W.S.. Isolation of particulate factors governing the dissolution behaviour of nifedipine in interactive mixture and solid dispersion. 4TH Malaysian Pharmaceutical Society Pharmacy Scientific Conference on Evidence-Based Pharmaceutical Practice and Health Management: Towards Pharmacoeconomics held in Malaysia (August 2004).
147. Yogheswaran, G., Wong, T.W. and Chua, S.P.C.. An insight of herbal medicine usage among Singapore residents. 4TH Malaysian Pharmaceutical Society Pharmacy Scientific Conference on Evidence-Based Pharmaceutical Practice and Health Management: Towards Pharmacoeconomics held in Malaysia (August 2004).
148. Cheong, W.S., Wong, T.W. and Heng, P.W.S.. Effects of sucrose stearates on melt pellets prepared in a high shear mixer. Inaugural AASP Conference on Pharmacy Education, Research and Practice in Asia held in China (June 2004).
149. Cheong, W.S., Wong, T.W. and Heng, P.W.S.. Interactive profile of a hydrophobic meltable binder with sucrose stearate in melt agglomerates. 14th International Symposium on Microencapsulation held in Singapore (Sept 2003).
150. Chan, L.W., Wong, T.W., Wang, S.H. and Heng, P.W.S.. Microwave drying of pharmaceutical polymers used in melt agglomeration process. 14th International Symposium on Microencapsulation held in Singapore (Sept 2003).
151. Chan, L.W., Wong, T.W., Cheah, E.L. and Heng, P.W.S.. Comparative study of the effects of microwave and hot air drying on calcium alginate films. American Association of Pharmaceutical Scientists Annual Meeting and Exposition held in Utah, USA (Oct 2003).
152. Cheong, W.S., Wong, T.W. and Heng, P.W.S.. Use of sucrose stearate in melt agglomeration using a high shear mixer. Symposium on Particle held in Orlando, USA (Apr 2002).
153. Wong, T.W., Lee, H.Y., Chan, L.W. and Heng, P.W.S.. Influence of drug core and dissolution media on properties of pectinate microspheres prepared by emulsification technique. 13th International Symposium on Microencapsulation held in Angers, France (Sept 2001).
154. Wong, T.W., Heng, P.W.S., Yeo, T.N. and Chan, L.W.. Influence of polyvinylpyrrolidone on aggregation propensity of spheroids coated using hydroxypropylmethylcellulose solution. 13th International Symposium on Microencapsulation held in Angers, France (Sept 2001).
155. Liew, C.V., Wong, T.W., Heng, P.W.S. and Wan, L.S.C.. Characterization of coated spheroids produced by rotary processing. 10th International Pharmaceutical Technology Symposium on Development and Delivery Challenges of the Next Generation of Drugs held in Istanbul, Turkey (Sept, 2000).

156. Chan, L.W., Heng, P.W.S., Hao, J.S., Liew, C.V. and Wong, T.W.. Design of drug delivery system using non-aqueous methods. Faculty of Science NUS Symposium on Biomedical / Health Science Research held in Singapore (Apr 2000).
157. Wong, T.W., Heng, P.W.S. and Wan, L.S.C.. Effects of impeller blade design on pellets produced in melt pelletization process. American Association of Pharmaceutical Scientists Annual Meeting and Exposition on Quest for the Magic Bullet: An Astounding Century held in New Orleans, USA (Nov 1999).
158. Wong, T.W., Heng, P.W.S. and Wan, L.S.C.. Spheroid production by melt pelletization. Conference on Challenges for Drug Delivery and Pharmaceutical Technology held in Tokyo, Japan (June 1998).
159. Liew, C.V., Wong, T.W., Heng, P.W.S. and Wan, L.S.C.. Single step formation of spheroids. Conference on Challenges for Drug Delivery and Pharmaceutical Technology held in Tokyo, Japan (June 1998).
160. Wong, T.W., Wan, L.S.C. and Heng, P.W.S.. Formation of spheroids by melt pelletization. Pharmaceutical Society of Singapore Annual Pharmacy Congress held in Singapore (Sept 1996).
161. Lim, L.Y., Wan, L.S.C. and Wong, T.W.. Effect of counter ions on chitosan beads. NUS - JSPS Seminar on The Advances in Pharmaceutical Sciences held in Singapore (Dec 1994).

BOOK

1. International Conference and Exhibition on Pharmaceutical, Nutraceutical and Cosmeceutical Technology: Formulation and Applications (May 2010). ISBN:978-967-363-057-8.
2. International Conference on Advancement of Materials and Nanotechnology (ICAMN-2007) (AIP Conference Proceedings/Material Physics and Applications) (Apr 2010). ISBN-10: 0735407606; ISBN-13: 978-0735407602.
3. TW Wong, CY Choo, I Yaacob. Antidiabetic plants monographs: Outcome of scientific evaluation of antidiabetic plants. TW Wong, CY Choo (Eds). LAP Lambert Academic Publishing, Germany (2011). ISBN 978-3-8433-9439-0. 79 Euro (2011).

SHOW DIRECTORY

International Conference and Exhibition on Pharmaceutical, Nutraceutical and Cosmeceutical Technology: Formulation and Applications (May 2010).

JOURNAL

9 peer-reviewed full proceedings papers of Pharmatech 2010 in International Journal of Pharmacy and Pharmaceutical Sciences ISSN-0975-1491, Vol 3 (Suppl 1) Feb 2011 (scopus indexed).

PUBLIC LECTURE

1. **Invited lecture:** Wong TW. Delayed drug release mechanisms of dispersible calcium alginate and non-dispersible alginate-chitosan pellets prepared by melt pelletization technique. Abbott Laboratories, Singapore (Jan 2012).
2. **Invited lecture:** Wong TW. Enhancing research ideas and strengthening research and development. Dynamic I-LEAP Programme, Academy of Excellence, Ministry of Higher Education Malaysia (Oct 2011).
3. **Invited lecture:** Wong TW. Wound healing by cellulosic dressing. Institute of Medical Molecular Biotechnology, Faculty of Medicine, Universiti Teknologi MARA (Sept 2011).
4. **Invited lecture:** Wong TW. Relationship of physicochemical and biological attributes of drug-free sodium carboxymethylcellulose scaffolds in partial thickness wound healing. Pavia University Italy (June 2011).
5. **Invited lecture:** Wong TW. Sustained drug release mechanisms of dispersible calcium alginate and non-dispersible alginate-chitosan pellets prepared by melt pelletization technique. Perugia University Italy (June 2011).
6. **Invited lecture:** Wong TW. Sodium carboxymethylcellulose scaffolds for partial thickness wound healing. Parma University Italy (June 2011).
7. **Short Communication:** Wong TW, Ramli NA. Sodium carboxymethylcellulose scaffolds for partial thickness wound healing. 3rd PharmSciFair held in Prague (June 2011).
8. **Short Communication:** Wong TW, Harjoh N. Design of in situ dispersible and calcium crosslinked alginate pellets as intestinal-specific drug carrier by melt pelletization technique. 3rd PharmSciFair held in Prague (June 2011).
9. **Invited lecture:** Wong TW. Sustained-release in-situ dispersible and calcium crosslinked alginate pellets. BIT Life Sciences 1st Annual Symposium of Drug Delivery Systems 2011 held in China (Nov 2011).
10. Lee CK, Awaludin AN, Wong TW. Exploring relationship between public demographic characteristics and their perception on pharmacist as healthcare provider. The 2nd International Conference on Pharmacy and Advanced Pharmaceutical Sciences held in Indonesia (July 2011).
11. Ramli NA, Wong TW. Relationship of physicochemical and biological attributes of drug-free sodium carboxymethylcellulose scaffolds in partial thickness wound healing. The 2nd International Conference on Pharmacy and Advanced Pharmaceutical Sciences held in Indonesia (July 2011).
12. Anuar NK, Wong TW. Molecular responses of pectin films under microwave irradiation and their effects on drug dissolution. The 2nd International Conference on Pharmacy and Advanced Pharmaceutical Sciences held in Indonesia (July 2011).
13. Nor Khaizan A, Wong TW, Deepak KG, Mohd Nasir T. Characterization of HPMC-PEG 3000 films using microwave non-destructive testing technique. International Conference and Exhibition on Pharmaceutical, Nutraceutical and Cosmeceutical Technology: Formulation and Applications held in Malaysia (May 2010).
14. Wong, T.W., Noor Shimariza Ashikin, W.H., Law, C.L. Drying kinetics and thin layer drying characteristics of β -D-mannuronic acid-rich alginate solution. Asia-Pacific Drying Symposium held in Bangkok (Oct 2009).
15. Syed Othman Syed Mohd Al-Azi, Mokhtar Mohamad Tarmizi, Sumiran Nurjaya, Tin Wui Wong. Design of insulin-pectinate nanoparticles by ionotropic gelation and coacervation techniques. Nanotech Malaysia 2009 held in Malaysia (Oct 2009). Proceedings.

16. Aminah, K., Wong, T.W. Design of mannuronic acid-rich alginate nanoparticles as oral insulin carrier. Nanotech Malaysia 2009 held in Malaysia (Oct 2009). Proceedings.
17. **Invited lecture:** Wong, T.W. Melt agglomeration as alternative pelletization technique held in Ferrara University, Italy (June 2009).
18. **Short communication:** Wong, T.W., Lee, C.C., Ong, C.L.C., Heng, P.W.S., Chan, L.W. Interactive mixture as rapid drug delivery system. PharmSciFair 2009 held in France (June 2009).
19. **Short communication:** Wong, T.W., Anuar, N.K., Taib, M.N. Modulation of drug release profile of non-crosslinked pectin films by microwave. PharmSciFair 2009 held in France (June 2009).
20. Ekha Mardziah, R., Wong, T.W. Effects of microwave on drug release profiles of spray-dried alginate microspheres. 4th Asian Association of School of Pharmacy-9th Malaysian Pharmaceutical Society Pharmacy Scientific Conference 2009 held in Malaysia (June 2009).
21. Wan Hussin, N.S.A., Wong, T.W., Law, C.L. Plasticity attribute of thin alginate films. 4th Asian Association of School of Pharmacy-9th Malaysian Pharmaceutical Society Pharmacy Scientific Conference 2009 held in Malaysia (June 2009).
22. Ramli, N.A., Wong, T.W. In vivo investigation of sodium carboxymethylcellulose dressing for partial thickness wound on rats. 4th Asian Association of School of Pharmacy-9th Malaysian Pharmaceutical Society Pharmacy Scientific Conference 2009 held in Malaysia (June 2009).
23. **Invited lecture:** Wong, T.W. Poly (methyl vinyl ether-co-maleic acid) matrix as oral drug delivery system. The Importance of Biomaterials Seminar 2009 held in Malaysia (July 2009).
24. Anuar, N.K., Wong, T.W., Taib, M.N. Effect of microwave on drug release property of pectin films carrying drugs of different aqueous solubilities. 4th Asian Association of School of Pharmacy-9th Malaysian Pharmaceutical Society Pharmacy Scientific Conference 2009 held in Malaysia (June 2009).
25. Alias, A., Taib, M.N., Wong, T.W., Anuar, N.K., Md Tahir, N. Predicting drug contents of hydroxypropylmethylcellulose films using artificial neural network. 5th International Colloquium on Signal Processing and Its Application (CSPA 2009) held in Malaysia (March 2009).
26. Nor Khaizan Anuar, Mohd Nasir Taib, Wong, T.W., Deepak, K. Ghodgaonkar. Characterization of pharmaceutical films using microwave non-destructive testing technique. 4th International Colloquium on Signal Processing and Its Application 2008 (CSPA 2008) held in Malaysia: Proceedings (2009).
27. **Invited lecture:** Wong, T.W. Use of microwave in design of drug delivery system held in Parma University, Italy (June 2009).
28. **Invited lecture:** Wong, T.W. Melt agglomeration as alternative pelletization technique held in Parma University, Italy (June 2009).
29. **Invited lecture:** Wong, T.W. Research proposal formulation. Excellence Assessment Lecture held in Malaysia (Dec 2008).
30. **Invited lecture:** Wong, T.W. Poly (methyl vinyl ether-co-maleic acid) matrix as oral delivery system for small molecule drug. Material Characterization in Perkin Elmer Life and Analytical Sciences Strategic Marketing Tour held in Malaysia (Aug 2008).
31. **Invited Plenary Lecture:** Wong, T.W. Insulin delivery and Biotechnology. Research Opportunities in Industrial Biotechnology. Bioprocess Workshop held in Malaysia (Feb 2008).
32. Nor Khaizan Anuar, Mohd Nasir Taib, Wong, T.W., Deepak, K. Ghodgaonkar. Characterization of pharmaceutical films using microwave non-destructive testing

technique. 4th International Colloquium on Signal Processing and Its Application 2008 (CSPA 2008) held in Malaysia (March 2008).

33. **Invited speaker:** Wong, T.W. Poly (methyl vinyl ether-co-maleic acid) matrix as oral drug delivery system. GEA-NUS 10th Anniversary Commemorative Pharmaceutical Technology Conference held in Singapore (Dec 2007). (Proceedings).
34. **Invited speaker:** Wong, T.W. Design of pectin and alginate-based drug delivery systems using microwave technology. International Conference on Natural Polymers, Bio-polymers, Bio-materials, their composites, blends, IPNs, and Gels: Macro to nano scale ICNP held in India (Nov 2007).
35. Wong, T.W., Mohd Nasir Taib, Deepak, K. Ghodgaonkar, Nor Khaizan Anuar. Investigation of the applicability of microwave non-destructive testing technique in characterization of transdermal drug delivery system. CSSR International Conference held in Malaysia (July 2007).
36. Lua, P.L., Wong, T.W., Kalavathy, R., Lim, S.M. FlatusorbTM: a unique flatus odour filter for patients with excessive eructation. International Medical and Health Congress 2007 held in Malaysia (May 2007).
37. Noor Shahida Ajmi, Choo C. Y., Wong, T.W. Anti-hyperglycaemic activity of semipurified extracts of Psidium guajava. International symposium on Natural Products and Medicinal Chemistry 2007, 12th Asian Chemical Congress held in Malaysia (Aug 2007).
38. Nor Khaizan Anuar, Wong, T.W., Mohd Nasir Taib, Deepak, K. Ghodgaonkar. Microwave non-destructive testing technique for characterization of HPMC-PEG 3000 films. 9th Commonwealth Pharmaceutical Association Conference and Malaysian Pharmaceutical Society Pharmacy Scientific Conference 2007 held in Malaysia (Aug 2007).
39. **Invited lecture: Contributed oral presentation:** Wong, T.W., Design of carbohydrate polymer-based drug delivery system using microwave. International meeting of The Second Symposium and Workshop on Carbohydrates and Carbohydrate Acting Enzymes Bioengineering held in Indonesia (May 2007).
40. **Invited lecture:** Wong, T.W., Use of microwave in design of drug delivery system. Applied Sciences Postgraduate Coloquiums (Feb 2007).
41. Lua P.L., Wong T.W., Ling C.J. Herbal supplements: prevalence and trend of usage among Malaysian adult population. National conference on Food Science and Nutrition held in Malaysia (Dec 2006).
42. Wong T.W. (Expert panel). Nanotechnology platform in drug delivery system research. Braingain Programme Study held in Academy of Sciences Malaysia (Aug 2006).
43. Mohd Nasir Taib, Wong, T.W., Deepak K. Ghodgaonkar. Microwave characterization of human skin in VIVO in the frequency range 20-38 GHz. IRPA Seminar 2006 on Enterprising Priorities and Needs held in Malaysia (June 2006).

44. Nor Khaizan Anuar, Wong, T.W., Mohd Nasir Taib, Deepak K. Ghodgaonkar. Characterization of skin delivery dosage form using microwave. International Conference on New Techniques in Pharmaceutical, Biomedical and Analytical Research held in Indonesia (August 2006).
45. **Keynote lecture:** Wong, T.W., Nurjaya Sumiran. Design of controlled-release pectinate-chitosonium matrix using microwave technology. International Conference on New Techniques in Pharmaceutical, Biomedical and Analytical Research held in Indonesia (August 2006).
46. **Invited lecture:** Wong, T.W.. Controlled-release drug delivery system prepared using microwave technology. Asian Pharmaceutics Graduate Congress on The Science of Product Design and Pharmaceutical Technology held in Singapore (Sept 2006).
47. Wong, T.W., Nurjaya Sumiran, Ibtisam A. W.. Controlled-release pectinate-chitosonium matrix prepared using microwave technology. CSSR International Conference held in Malaysia (July 2007).
48. Nor Khaizan Anuar, Wong, T.W., Deepak, K. Ghodgaonkar, Mohd Nasir Taib. Pharmaceutical application of microwave non-destructive testing technique. 3rd Life Science Postgraduate Conference held in Malaysia (May 2006).
49. Nurjaya Sumiran, Wong, T.W.. Design of controlled-release pectinate-chitosonium matrix using microwave technology. 3rd Life Science Postgraduate Conference held in Malaysia (May 2006).
50. Nor Khaizan Anuar, Wong, T.W., Deepak, K. Ghodgaonkar, Mohd Nasir Taib. Skin analysis using microwave non-destructive testing technique. Colloquium on Signal Processing and its Application held in Malaysia (March 2006).
51. Nor Khaizan Anuar, Wong, T.W., Deepak, K. Ghodgaonkar, Mohd Nasir Taib. Analysis of transdermal drug delivery system using microwave non-destructive testing technique. Colloquium on Signal Processing and its Application held in Malaysia (March 2006).
52. Nurjaya, S., Wong, T.W. and Ibtisam, A.W.. Drug release properties of pectinate matrix prepared using the microwave technology. Malaysian Pharmaceutical Society Pharmacy Scientific Conference held in Malaysia (Nov 2005).
53. Wong, T.W.. Design of controlled-release chitosonium matrix using microwave technology. Asian Conference on Sensors and International Conference on New Techniques in Pharmaceutical and Biomedical Research held in Malaysia (Sept 2005). Proceedings.
54. Nor Khaizan, A., Wong, T.W., Deepak, K.G. and Mohd Nasir, T.. Use of microwave NDT techniques to film characterization for applications in transdermal drug delivery system. Asian Conference on Sensors and International Conference on New Techniques in Pharmaceutical and Biomedical Research held in Malaysia (Sept 2005). Proceedings.

55. Design of controlled-release pectinate matrix using microwave technology. International Science Congress on Science for Humanity held in Malaysia (August 2005).
56. Melt pelletization: an alternative agglomeration technique. Technical Issues in Pharmaceutical Engineering Seminar held in Malaysia (July 2005).
57. **Invited lecture:** Research methodology and ethics. Seminar held in University of Technology MARA (April 2005).
58. **Invited lecture:** Preparation of manuscript for research publication. Seminar held in University of Technology MARA (February 2005).
59. **Invited lecture:** Melt granulation and pelletization. Regional Seminar on Pharmaceutical Technology held in Singapore (May 2004).
60. Research methodology. Seminar held in University of Technology MARA (March 2004).
61. Effervescent technology. Seminar held in Kotra Pharma (M) Sdn Bhd (July 2003).
62. Patent management. Seminar held in Kotra Pharma (M) Sdn Bhd (July 2003).
63. Erectile dysfunction. Seminar held in Kotra Pharma (M) Sdn Bhd (Feb 2003).
64. Spheronizer. Seminar held in Kotra Pharma (M) Sdn Bhd (Nov 2002).
65. Alternative pelletization technology: Melt pelletization. Seminar held in National University of Singapore (Feb 2002).
66. Matrix pellets prepared by melt pelletization. Regional Seminar on Pharmaceutical Technology held in Singapore (May 2000).
67. Study of melt pelletization process using hydrophilic binders. Ph.D Seminar held in National University of Singapore (May 1999).
68. Spheroid formation by melt pelletization. 3rd South East Asian Pharmaceutical Students' Society Congress held in Singapore (May 1998). Invited lecture.

NEWSPAPER FEATURES

1. Research expertise: searching for spring in the research laboratory in Novel Education, Sin Chew Daily Press, Tan Meng Kiat (Ed), Malaysia, 22 Aug 2006.
2. Team UiTM bags 10 medals, The Star, Malaysia, 9 Dec 2006.
3. UiTM rangkul 228 anugerah R&D sejak 2001, Utusan Malaysia, 9 Dec 2006.
4. Famous figure: a session about learning. Novel Education, Sin Chew Daily Press, Malaysia, Teh Li Kin (Ed), 24 July 2007.
5. Famous figure: a session of learning on Multidimensional thinking: The arts of integration. Novel Education, Sin Chew Daily Press, Malaysia, Teh Li Kin (Ed), 31 July 2007.
6. Employment of phantom writer by postgraduate students. Local news, Sin Chew Daily Press, Malaysia, 23 December 2007.

7. Children Flu and cough medicine could kill. Sin Chew Daily Press, Malaysia, 3 March 2009.
8. The first Pharmaceutical Technology Conference and Exhibition Event in Malaysia. Nanyang Siang Pau Business section (May 2010).
9. Pharmatech Conference to attract about 3000 visitors Yahoo News Malaysia (2010).
10. Pharmatech Conference to attract about 3000 visitors Bernama.com (2010).
11. Pharmatech Conference and Exhibition, The Star (2010).

INTELLECTUAL PROPERTY

1. A process to improve controlled-release drug delivery system (patent application number: PI20062603)
2. A method to characterize physicochemical state of a pharmaceutical composition (patent application number: PI20063950). Grant number: MY-143082-A (approved on 15 March 2011).
3. Hypoglycemic agent from Brucea javanica (PI20093805).
4. Sodium carboxymethylcellulose wound dressing and the method of production (PI2010000133).

INVITED EXHIBITION

1. Wong TW, Nurulaini H. Coat-free intestinal-specific polyguluronic acid-rich pellets. Cool Tech Panel, Hot Science Area, Centre of Learning Petrosains Sdn Bhd, Malaysia (Sept 2010).
2. Wong TW, Nor Amlizan R. HealCel – A drug-free dressing for superficial/partial thickness wound healing. Cool Tech Panel, Hot Science Area, Centre of Learning Petrosains Sdn Bhd, Malaysia (Sept 2010).

CONFERENCE/SEMINAR/PROGRAM ORGANIZED

1. International Conference and Exhibition on Pharmaceutical, Nutraceutical and Cosmeceutical Technology: Delivery, Discovery, Clinical and Manufacturing Chains held in Malaysia (Sept 2012).
2. Drug Dissolution Testing – A Compendial Method for Pharmaceutical Product Research and Development at National Research and Education Seminar held in Malaysia (Sept 2011). Industry partner: Thorsten Boettcher (Director, Erweka GmbH), Germany.
3. Cascade impactor workshop held in Malaysia (July 2011).
4. NanoMalaysia 2010 Conference, Exhibition, Forum and Luncheon (formerly known as NanoTech Malaysia 2010) held in Malaysia (Dec 2010). Representing UiTM

(Education and public awareness programme); Malaysia Nanotechnology Association; Academy of Sciences Malaysia.

5. Research and Education Seminar series 1 on The potential role of bioactive long term release in the T1DM treatment held in Malaysia (Aug 2010). Academic partner: Stefano Giovagnoli, PhD Perugia University, Italy.
6. Research and Education Seminar series 1 on Lipid nanoparticles for brain drug targeting held in Malaysia (Aug 2010). Academic partner: Paolo Blasi, PhD, Perugia University, Italy.
7. Data Analysis and Knowledge Enhancement Workshop on Pharmacy Education held in Malaysia (Aug 2010).
8. Data Analysis and Knowledge Enhancement Workshop on SPSS Survey Science held in Malaysia (July 2010).
9. International Conference on the Advancement of Materials and Nanotechnology held in Malaysia (Nov 2010).
10. Data Analysis and Knowledge Enhancement Workshop on Nanospray drying held in Malaysia (March 2010).
11. Data Analysis and Knowledge Enhancement Workshop on Energy Dispersive x-ray spectroscopy held in Malaysia (March 2010).
12. Data Analysis and Knowledge Enhancement Workshop on Scanning Electron Microscopy held in Malaysia (March 2010).
13. Fourier transform infrared spectrophotometry technique training held in Malaysia (Feb 2010).
14. Data Analysis and Knowledge Enhancement Workshop on HPLC multiple-column system: Its theory and application held in Malaysia (Apr 2010).
15. Data Analysis and Knowledge Enhancement Workshop on Gene and its analysis held in Malaysia (Feb 2010).
16. Data Analysis and Knowledge Enhancement Workshop on Social Pharmacy – Its implications in pharmaceutical industry held in Malaysia (March 2010).
17. Fourier transform infra-red spectroscopy workshop held in Malaysia (Jan 2010).
18. Data Analysis and Knowledge Enhancement Workshop on Pharmacy Practice – Law and regulations held in Malaysia (Feb 2010).
19. Data Analysis and Knowledge Enhancement Workshop on Basics of chromatograms interpretation held in Malaysia (March 2010).

20. Data Analysis and Knowledge Enhancement Workshop on Basic chemical calculations – Important calculations in analytical laboratories held in Malaysia (March 2010).
21. Data Analysis and Knowledge Enhancement Workshop on Effects of Column Chemistry and Dimensions in Liquid Chromatography held in Malaysia (Jan 2010).
22. SPSS Statistics Workshop held in Malaysia (Sept 2009).
23. End Note workshop held in Malaysia (July 2009).
24. Data Analysis and Knowledge Enhancement Workshop on How to write a good scientific paper held in Malaysia (July 2009).
25. International Conference and Exhibition on Pharmaceutical, Nutraceutical and Cosmeceutical Technology: Formulation and Application held in Malaysia (May 2010).
26. Data Analysis and Knowledge Enhancement Workshop on Chitosan and spray drying held in Malaysia (May 2009).
27. Data Analysis and Knowledge Enhancement Workshop on Immediate release dosage form and HyperDSC characterization held in Malaysia (May 2009).
28. Advanced Field Emission Scanning Electron Micrography training held in Malaysia (May 2009).
29. Basic Field Emission Scanning Electron Micrography training held in Malaysia (April 2009).
30. SPSS Statistics Workshop held in Malaysia (April 2009).
31. Data Analysis and Knowledge Enhancement Workshop on Alginate and particle design held in Malaysia (April 2009).
32. Data Analysis and Knowledge Enhancement Workshop on Microscope and its use in pharmaceuticals held in Malaysia (March 2009).
33. Nanotech Malaysia 2009 on Energy, Health and Environment Conference, Forum and Exhibition held in Malaysia (Oct 2009).
34. Data Analysis and Knowledge Enhancement Workshop on Crosslinkers for chitosan and alginate in design of drug delivery system held in Malaysia (Jan 2009).
35. Briefing training on Total Internal Reflection Fluorescence Microscopy System held in UiTM (Jan 2009).
36. Data Analysis and Knowledge Enhancement Workshop on Spray-dried insulin for inhalation and Nifedipine loaded microspheres held in Malaysia (Jan 2009).

37. Data Analysis and Knowledge Enhancement Workshop on Oral Delivery of Insulin Nanoparticles held in Malaysia (Dec 2008).
38. Animal skin preparation workshop held in Malaysia (Dec 2008).
39. Data Analysis and Knowledge Enhancement Workshop on Chitosan nanoparticles as insulin carrier in diabetic rats held in Malaysia (Dec 2008).
40. Data Analysis and Knowledge Enhancement Workshop on Alginate nanoparticles as insulin carrier held in Malaysia (Dec 2008).
41. Data Analysis and Knowledge Enhancement Workshop on Drying of chitosan films held in Malaysia (Nov 2008).
42. Data Analysis and Knowledge Enhancement Workshop on Spray dried microparticles held in Malaysia (Nov 2008).
43. Data Analysis and Knowledge Enhancement Workshop on Insulin delivery held in Malaysia (Nov 2008).
44. Data Analysis and Knowledge Enhancement Workshop on Pore characteristics and drug dissolution held in Malaysia (Oct 2008).
45. Data Analysis and Knowledge Enhancement Workshop on Sucrose esters and transdermal drug delivery system held in Malaysia (Oct 2008).
46. Data Analysis and Knowledge Enhancement Workshop on Wound Dressing held in Malaysia (Oct 2008).
47. Nanotech Malaysia 2008 on Technology Innovation for Wealth Creation and New Dimension for Living held in Malaysia (Oct 2008) in conjunction with Malaysia Nanotechnology Association.
48. Biological techniques workshop held in Malaysia (July 2008).
49. Nanotechnology Workshop 2008: Characterization and Measurement techniques held in Malaysia (In progress)
50. Freeze drying demonstration held in Malaysia (July 2008).
51. Animal handling demonstration held in Malaysia (July 2008).
52. Animal handling course held in Malaysia (July 2008)
53. Identification of rat gastrointestinal tract components course held in Malaysia (June 2008).
54. Outcome Based Learning workshop held in Malaysia (March 2008).
55. Asean Scientific Conference of Pharmaceutical Technology held in Malaysia (June 2008).

56. Research Product Information Talk on Lasentec FBRM and PVM technology held in Malaysia (May 2007).
57. UiTM Student Intake Exposition 2007 held in Malaysia (March 2007).
58. Nanotech Malaysia 2007 held in Malaysia (Nov 2007).
59. International Conference on New Techniques in Pharmaceutical, Biomedical and Analytical Research held in Bali (Aug 2006).
60. International Conference on Advancement of Materials and Nanotechnology, UiTM-SIRIM held in Malaysia (July 2007).
61. Asian Pharmaceutics Graduate Congress on The Science of Product Design and Pharmaceutical Technology held in Singapore (Sept 2006).
62. Student recruitment day held in Malaysia (March 2006).
63. Current Good Manufacturing Practice Seminar on Quality Control – from materials to finished goods held in Malaysia (May 2006).
64. Book Prize Award Pharmaniaga held in Malaysia (July 2005).
65. Seminar on Technical Issues in Pharmaceutical Engineering held in Malaysia (July 2005).
66. AsiaSense 2005 and International Conference on New Techniques in Pharmaceutical and Biomedical Research held in Malaysia (September 2005).
67. Customer Meeting Session 2005 held in UiTM (March 2005).
68. The 4th Malaysian Pharmaceutical Society Pharmacy Scientific Conference on Evidence-Based Pharmaceutical Practice and Health Management: Towards Pharmacoeconomics held in Malaysia (August 2004). Net profit approximated to RM 6000.
69. Current Good Manufacturing Practice Seminar on Documentation Basics for Current Good Manufacturing Practice (cGMP) held in Malaysia (April 2004). Net profit approximated to RM 4000.
70. 14th International symposium on Microencapsulation held in Singapore (Sept 2003).
71. Regional Seminar on Pharmaceutical Technology held in Singapore (May 2002).
72. The 5th ACPA International Conference on Bringing Asian Herbal and Traditional Medicines to the Modern Mainstream Pharmaceutical World held in Singapore (May 2001).
73. Seminar on Utilities for the Pharmaceutical Industry held in Singapore (June 2000).

74. Regional Seminar on Pharmaceutical Technology held in Singapore (May 2000).
75. Seminar on Quality Assurance: Environmental Monitoring held in Singapore (Dec 1999).
76. Seminar on Quality Assurance: Documentation Requirements in the Pharmaceutical Industry held in Singapore (Dec 1999).
77. Regional Seminar on Pharmaceutical Technology held in Singapore (May 1999).
78. Seminar on Good Documentation Practice in Pharmaceutical Industry held in Singapore (May 1999).