

PROFILE		
1	NAME	RAVI SHESHALA
2	ACADEMIC POSITION	SENIOR LECTURER
3	STATUS OF APPOINTMENT	CONTRACT
4	CITIZENSHIP	INDIAN
5	EDUCATION	PhD (Pharmaceutics), USM, Malaysia – 2011 Master of Science (Pharmaceutics), USM, Malaysia – 2006 Bachelor of Pharmacy, JNTU, India – 2002.
6	WORKING EXPERIENCE	<ul style="list-style-type: none"> • Senior Lecturer (DM51) Faculty of Pharmacy, Universiti Teknologi MARA, Puncak Alam, 9 December 2016 – present • Lecturer, School of Pharmacy, International Medical University, Kuala Lumpur, 27 March 2011 – 1 December 2016
7	CURRENT ACADEMIC RESPONSIBILITIES	<ul style="list-style-type: none"> • Resource Person for PHC471 • PHC471: Drug Delivery System I (Lecture, Practical & Tutorial) • PHR500: Drug Delivery System II (Lecture & Practical) • PHR554: Pharmaceutical Materials and Product Characterization (Lecture & Journal Article Critique) • PHC453: Fundamentals of Pharmaceutics II (Practical & Tutorial) • PHC529: Pharmaceutical Industry Practice (Tutorial) • PHC579: Nutraceutical and Cosmeceutical Sciences (Tutorial & Product Evaluation) • PHC567: Research II (Poster Evaluation)
8	RESEARCH INTERESTS/ PROJECTS	<ul style="list-style-type: none"> • In situ gels and implants for ocular and periodontal drug delivery • Nanoparticulate drug delivery for micro and macromolecules. • Orally disintegrating tablets for water soluble and water insoluble drugs. • Analytical method development and validation of drugs in pharmaceutical dosage forms and biological matrix using HPLC.
9	PUBLICATIONS	<i>Current publications (2015-2019)</i>

Anthology (book with articles)

1. **Ravi Sheshala**, Tin Wui Wong. Alginate Carriers for Treatment of Ocular Diseases. In: Md Saquib Hasnain, Amit Kumar Nayak. *Alginate: Versatile Polymer in Biomedical Applications and Therapeutics*. USA: Apple Academic Press; 2019. P. 535-558.
2. Thakur Raghu Raj Singh, Hannah L. McMillan, **Ravi Sheshala**, Ismaiel Abdo Tekko, Farhan Alshammari and Prashant Kesharwani. "In-Situ Forming Phase-inversion Injectable Hydrogels for Controlled Drug Release". In: Thakur Raghu Raj Singh, Garry Laverty, Ryan Donnelly (Eds). *Hydrogels: Design, Synthesis and Application in Drug Delivery & Regenerative Medicine*. USA: CRC Press, Taylor & Francis Group; 2017. P. 228-249.

Journal article

1. **Ravi Sheshala**, Nor Khaizan Anuar, Nor Hayati Abu Samah, Tin Wui Wong. In Vitro Drug Dissolution/Permeation Testing of Nanocarriers for Skin Application: a Comprehensive Review. *AAPS PharmSciTech*, 2019; 20: 164-192. DOI: 10.1208/s12249-019-1362-7.
2. Shadab Md, **Ravi Sheshala**, Lim Wei Meng, Venkata Srikanth Meka, Javed Ali. Recent advances in non-invasive delivery of macromolecules using nanoparticulate carriers system. **Current Pharmaceutical Design**, 2017; 23: 440-453. DOI: 10.2174/1381612822666161026163201.
3. Venkata K. Yellepeddi, **Ravi Sheshala**, McMillan H, Jones D, Thakur Raghu Raj Singh. Punctal plug – A medical device to treat dry eye syndrome and for sustained drug delivery to the eye. **Drug Discovery Today**, 2015; 20: 884-889. DOI: 10.1016/j.drudis.2015.01.013.
4. **Ravi Sheshala**, Yong Y. Kok, Jun M. Ng, Raghu R. S. Thakur and Kamal Dua. *In Situ Gelling Ophthalmic Drug Delivery System: An Overview and Its*

		<p>Applications. Recent Patents on Drug Delivery & Formulation, 2015; 9: 242-253.</p> <p>5. Ravi Sheshala, Soo Ying Quah, Giok Choo Tan, Venkata Srikanth Meka, Naveen Jnanendruppa, Priyadarshi Soumyaranjan Sahu. Investigation on solution-to-gel characteristic of thermosensitive and mucoadhesive biopolymers for the development of moxifloxacin-loaded sustained release periodontal <i>in situ</i> gels. <i>Drug Delivery and Translational Research</i>, 2019; 9: 434-443. DOI: 10.1007/s13346-018-0488-6.</p> <p>6. Ravi Sheshala, Gan Chew Hong, Wong Pui Yee, Venkata Srikanth Meka, Thakur Raghu Raj Singh. <i>In situ</i> forming phase-inversion implants for sustained ocular delivery of triamcinolone acetonide. <i>Drug Delivery and Translational Research</i>, 2019; 9: 534-542. DOI: 10.1007/s13346-018-0491-y.</p> <p>7. Venkatalakshmi Ranganathan, Ng Jeng Ho, Ravi Sheshala, Sasikala Chinnappan. Formulation and Characterization of Mouth Dissolving Tablets of Dexamethasone Using Synthetic Superdisintegrants. <i>Research Journal of Pharmacy and Technology</i>, 2018; 11 (4): 1429-1435. DOI: 10.5958/0974-360X.2018.00267.6</p> <p>8. Nur Syazwani Bintiazeran, Nur Diyanabintizazali, Selin Sedatimur, Ayben Lşilay Özdoğan, Melike Ekizoğlu, Ravi Sheshala, Kamal Dua, Priyadarshi Soumyaranjan Sahu, Sevda Şenel. Moxifloxacin Loaded Chitosan Gel Formulations for the Treatment of Periodontal Diseases. <i>Journal of Polymer Materials</i>, 2017; 34 (1): 157-169.</p> <p>9. Auleep Ganguly, Cheng Kang Ian, Ravi Sheshala, Priyadarshi Soumyaranjan Sahu, Haider Al-Waeli, Venkata Srikanth Meka (2017). Application of diverse natural polymers in the design of oral gels for the treatment of periodontal diseases. <i>Journal of Materials Science: Materials in Medicine</i>, 28:39. DOI:</p> <p>10. Venkata Srikanth Meka, Chew Ee Li, Ravi Sheshala (2016). Design and statistical optimization of an effervescent drug delivery system of theophylline using response surface methodology. <i>Acta</i></p>
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Pharmaceutica, 66: 35-51. DOI: 10.1007/s10856-017-5852-4.

11. Venkata Srikanth Meka, Senthil Rajan Dharmalingam, **Ravi Sheshala**, Adinarayana Gorajana (2015). Preparation and *in-vitro* characterization of a non-effervescent floating drug delivery system for poorly soluble drug, glipizide. *Acta Poloniae Pharmaceutica – Drug Research*, 72: 193-204.

Conference paper

Unpublished paper:

1. Noreen Ang Azlan, Tommy Zulianto, **Ravi Sheshala**, Abu Bakar Abdul Majeed. Effect of Tocotrienol and Ubiquinone Loaded in Palm Kernel Oil Nanoemulsion for Topical Delivery. International Conference on Innovations in Pharmaceutical Technologies. MET-I-CON 2019, 15-16 February 2019, India. **(Poster Presentation)**.
2. Suresh Shanmugham, Sivalingam Nalliah, **Ravi Sheshala**, Jithendra Panneerselvam, Venkata Srikanth Meka, Srinivasan Ramamurthy, Chan Li Li. Controlled Delivery of Tinidazole from Polycaprolactone/Polyethylene Oxide Based Intra-Vaginal Matrices for the Treatment of Trichomoniasis. 6th International Postgraduate Conference on Pharmaceutical Sciences (IPOPS) 2018, 13-16 August 2018, Malaysia. **(Poster Presentation)**.
3. **Ravi Sheshala**, Annie Lee, Ai Lin Ong, Ling Ling Cheu, Thiagarajan Madheswaran, Thakur R. R. Singh. Development and Characterization of Controlled Release Photocrosslinked Implants for Ocular Delivery of Triamcinolone Acetonide. 18th International Conference on Pharmacy and Pharmaceutical Sciences, 21-22 July 2016, Switzerland. **(Poster Presentation)**.
4. Soo Ying Quah, Giok Choo Tan, Priyadarshi S. Sahu, Naveen Jnanendrappa, **Ravi Sheshala**. Formulation and Characterization of Thermosensitive Chitosan and Poloxamers *In Situ* Gels Containing Moxifloxacin HCl for the Treatment of Periodontitis. 8th National Dental Students' Scientific Conference

		<p>(NDSSC) 2016, 14-15 May 2016, Malaysia (Oral Presentation).</p> <p>5. Ravi Sheshala, Gan Chew Hong, Wong Pui Yee, Venkata Srikanth Meka and T Raghu Raj Singh. Development and Characterization of Phase-Inversion Based <i>In Situ</i> Forming Implants of Triamcinolone Acetonide for Ocular Drug Delivery. Controlled Release & Drug Delivery Symposium (CRDDS) 2015, 15-16th August 2015, Malaysia. (Poster Presentation).</p> <p>6. Ravi S, Srikanth MV, Aman Shah AM, Raghu Raj Singh Thakur. Design and Evaluation of Gentamicin Sulfate <i>In Situ</i> Gels for Sustained Ocular Drug Delivery. Pharmacy and Pharmaceutical Sciences Conference (PPSC) 2015, 1-2nd August 2015, Malaysia. (Poster Presentation).</p>
10	RESEARCH GRANTS	<p><i>List of research grants received between 2015-2019.</i></p> <ol style="list-style-type: none"> 1. Biodegradable nanoparticles loaded thermosensitive in situ gels of lomefloxacin hydrochloride for sustained ocular drug delivery, Bestari Perdana, UiTM, January 2018-December 2019, RM 25000, Principal Investigator. 2. Study on skin delivery of tocotrienol and ubiquinone loaded in nanoemulsion: effect of natural oil and fatty acid as vehicle and penetration enhancer. Bestari Perdana, UiTM, January 2018-December 2019, RM 25000, Member. 3. Delivery of in situ implant forming gels using microneedles for sustained intraocular drug release. International Medical University, June 2016-September 2016, RM 9000, Principal Investigator. 4. Development and Characterization of Photocrosslinked Implants for Controlled Ocular Drug Delivery. International Medical University, May 2015-October 2015, RM 9000, Principal Investigator. 5. Formulation and Evaluation of Polymeric In Situ Gels Containing Moxifloxacin for the Treatment of Periodontitis. International Medical University, April 2015-March 2016, RM 6000, Principal Investigator. 6. Exenatide-Loaded Liquid Crystalline Nanoparticles: Formulation Development and Evaluation of Their In Vitro Stability. International Medical University, January 2015-December 2015, RM 20000, Member.

11	AWARDS	Best poster award in Pharmacy and Pharmaceutical Sciences Conference, Malaysia, 2015.
12	INVOLVEMENT IN PROFESSIONAL ORGANISATIONS	<ul style="list-style-type: none"> • Member of Non-Executive Council, Malaysia Local Chapter of The Controlled Release Society Inc. (MyCRS). 2016-2018. • Auditor, Malaysia Local Chapter of The Controlled Release Society Inc. (MyCRS), 2014-2016. • Life Member, Malaysian Diabetes Association, 2013-Present.
13	PARTICIPATION IN CONTINUING EDUCATION	
14	COMMUNITY SERVICES	Participant, IMU Cares, International Medical University, 2015& 2016, Malaysia.