

<b>PROFILE</b>		
<b>1</b>	<b>NAME</b>	ROZAINI BINTI MOHD. ZOHDI
<b>2</b>	<b>ACADEMIC POSITION</b>	SENIOR LECTURER
<b>3</b>	<b>STATUS OF APPOINTMENT</b>	PERMANENT
<b>4</b>	<b>CITIZENSHIP</b>	MALAYSIAN
<b>5</b>	<b>EDUCATION</b>	PhD (Anatomy), UPM - 2010; Master of Science (Histology), UPM - 2005; Bachelor of Science (Biomedical Sciences), UPM - 2001
<b>6</b>	<b>WORKING EXPERIENCE</b>	<ul style="list-style-type: none"> <li>● Senior Lecturer (DM51) Faculty of Pharmacy, Universiti Teknologi MARA, Puncak Alam, 10 June 2010 – present</li> <li>● Lecturer (DM45) Faculty of Pharmacy, Universiti Teknologi MARA, Puncak Alam, 29 March 2010 – 9 June 2010</li> <li>● Research Officer (Q41) Malaysian Nuclear Agency, Dengkil, November 2004 – February 2006</li> </ul>
<b>7</b>	<b>CURRENT ACADEMIC RESPONSIBILITIES</b>	<ul style="list-style-type: none"> <li>● PHC402: Human Anatomy and Physiology (Lecture, Tutorial &amp; Practical)</li> <li>● PHC451: Principles of Pathology (Lecture &amp; Tutorial)</li> <li>● PHC473: Endocrine, Reproductive System &amp; Pharmacotherapeutics (Lecture &amp; Tutorial)</li> <li>● PHC525: Autocoids, Anti-inflammatory Agents, GI System &amp; Pharmacotherapeutics (Lecture &amp; Tutorial)</li> <li>● PHC650: Drugs in Sport (Tutorial)</li> <li>● PHR555: Research I (Research)</li> <li>● PHC567: Research II (Research)</li> </ul>
<b>8</b>	<b>RESEARCH INTERESTS/ PROJECTS</b>	<ul style="list-style-type: none"> <li>● Natural products drug discovery</li> <li>● Wound care and cosmeceutical products</li> <li>● Alternative treatment for malaria</li> </ul>
<b>9</b>	<b>PUBLICATIONS</b>	<p><b>Journal article</b> Shamshuddin NSS, <b>Zohdi RM.</b> 2018. Gelam honey attenuates ovalbumin-induced airway inflammation in a mice model of allergic asthma. Journal of Traditional and Complementary Medicine 8(1): 39-45.</p>

**Zohdi RM**, Mukhtar SM, Bihud NV, Rasol NE, Ahmad FB, Awang K....2017. *In vivo* antiplasmodial and toxicological effects of *Goniothalamus lanceolatus* crude extracts. Natural Product Communications 12 (8), 1251-1254.

Noor HSM, Ismail NH, Kasim N, **Zohdi RM**, Ali AM. 2016. Hypoglycemic and glucose tolerance activity of standardized extracts *Ficus deltoidea* varieties in normal rats. Med. Plants Stud 4, 275-279.

Sayadi SA, **Zohdi RM**, Ramasamy K, Shamsuddin, NSS, Khairy MS, Hasan NA, Yasin AS. 2015. Antifungal Activity of Selected Malaysian Honeys: A Comparison with Manuka Honey, Journal of Coastal Life Medicine, Journal of Coastal Life Medicine, 3(7): 539-542.

Hamid KA, **Zohdi RM**, Eshak Z. 2015. Pollen Analysis of Selected Malaysian Honey, Academic Journal of Entomology, 8(2): 99-103.

**Zohdi RM**, Zuki, ABZ, Noordin MM, Yusof N, Nazrul-Hakim, A. 2012. Gelam (*Melaleuca* spp.) Honey-based Hydrogel as Burn Wound Dressing. Evidence-Based Complementary and Alternative Medicine (doi: 10.1155/2012/843025)

**Zohdi RM**, Zuki ABZ, Noordin MM, Yusof N, Nazrul-Hakim A. 2012. Honey Hydrogel dressing to treat burn wound in rats-a preliminary report. Pertanika Journal of Tropical Agricultural Science 35(1): 67-74.

**Zohdi RM**, Zuki ABZ, Noordin MM, Yusof N, Nazrul-Hakim A. 2011. Sea Cucumber (*Stichopus hermannii*) based hydrogel to treat burn wounds in rats. Journal of Biomedical Materials Research: Part B 98B(1): 30-37.

Yusof N, Ainul-Hafiza AH, **Zohdi RM**, Zuki ABZ. 2007. Development of honey hydrogel dressing for enhanced wound healing. Radiation Physics and Chemistry 76: 1767-1770.

**Zohdi RM**, Zuki ABZ, Noordin MM, Yusof N, Nazrul-Hakim A. 2005. Macroscopic Evaluation of Burn Wound Healing Progress Treated with Different Types of Honey.

Pakistan Journal of Biological Sciences Volume 8, Number 5:672 - 678.

**Zohdi RM**, Zuki ABZ, Noordin MM, Yusof N, Nazrul-Hakim A. 2004. The Effects of Different Types of Honey on Tensile Strength Evaluation of Burn Wound Tissue Healing. *International Journal of Applied Research in Veterinary Medicine* Volume 2, Number 4:290 – 296.

**Zohdi RM**, Zuki ABZ, Noordin MM, Yusof N, Nazrul-Hakim A. 2004. The Effect of Topical Application of Malaysian Honey on Burn Wound Healing. *Jurnal Veterinar Malaysia* 16(1&2):47-50

#### **Conference paper**

Kaharudin FA, Zohdi RM, Mukhtar SM, Sidek HM, Rasol NE, Ahmad FB, Ismail NH. In vitro antiplasmodial and cytotoxic properties of *Goniothalamus lanceolatus* crude extracts. International Conference on Natural Products 2019, 26-28 March 2019, Hilton Kuching, Sarawak.

Zohdi RM, Kaharudin FA, Mukhtar SM, Bihud NV, Rasol NE, Ahmad FB, Ismail NH. Ameliorative effect of *Goniothalamus lanceolatus* stem bark extracts against *Plasmodium berghei*-induced tissue injury in mice: A histopathological study. International Conference on Natural Products 2018, 19-21 March 2018, Bayview Beach Resort, Penang.

Zohdi RM, Samedrik FS, Mukhtar SM, Ali AA. Biochemical study of diabetic wounds treated with Malaysian gelam honey. 5th International Postgraduate Conference on Pharmaceutical Sciences (IPoPS) 2017, 15-18<sup>th</sup> May 2017, UiTM Puncak Alam.

Shamshuddin NSS, Zohdi RM. Malaysian Honeys Suppress Ovalbumin-Induced Airway Inflammation in A Mouse Allergic Asthma Model. International Conference on Natural Products 2017. 15-16<sup>th</sup> March 2017, Swiss-Garden Beach Resort Damai Laut.

Ali AA, Zohdi RM, Wahab MSA, Ismail IT, Tajuddin NZ. Topical treatment evaluation of diabetic rats skin wounded with *Hibiscus Rosa-Sinensis* leaves aqueous-methanolic extract. 1<sup>st</sup>-3<sup>rd</sup> Feb 2016. The Barkeley Hotel, Bangkok, Thailand.

Zohdi RM, Ismail NH, Mukhtar SM, Bihud NV. In vivo antiplasmodial and toxicological effects of *Goniothalamus lanceolatus* crude extracts. 1<sup>st</sup>-4<sup>th</sup> Sept 2016. Tokushima Bunri University.

Zohdi RM, Ali AA, Mukhtar SM, Said S, Azmi NAM. Gelam Honey accelerates better wound healing in streptozotocin-induced diabetic rats compared to silver sulfadiazine. 23<sup>rd</sup>-25<sup>th</sup> Nov 2015. Grand Bluewave Hotel, Shah Alam.

Ali AA, Zohdi RM, Wahab MSA. Tensile strength and collagen content evaluation of wounded skin of diabetic rats following topical treatment with *Hibiscus Rosa-Sinensis* leaves aqueous-methanolic extract. 12<sup>th</sup>-13<sup>th</sup> Nov 2015. Hotel Ramada Plaza, Melaka.

Zohdi RM, Shamsuddin NSS. Tualang honey mitigates ovalbumin-induced airway inflammation in a mice allergic asthma model. 4<sup>th</sup> International Conference on Pharmaceuticals, Nutraceuticals and Cosmetic Science (IPNaCS). 12<sup>th</sup>-13<sup>th</sup> Nov 2015. Ramada Plaza, Melaka.

Zohdi RM, Ali AA, Wahab MSA. Histological study of wounded skin of diabetic rats treated with topical aqueous methanol extract of *Hibiscus rosa sinensis* leaves. 12<sup>th</sup>-13<sup>th</sup> Nov 2015. Hotel Ramada Plaza, Melaka.

Zohdi RM, Ismail NH, Mukhtar SM, Bihud N, Ahmad FB. In Vivo Screening of *Goniothalamus lanceolatus* Methanol Extracts for Antimalarial Activities. 24<sup>th</sup>-25<sup>th</sup> March 2015. Double Treeby Hilton Johor Bahru.

#### **Dissertation and master thesis**

Zohdi RM. Effects of sea cucumber (*Stichopus hermanii*), honey (*Melaleuca*) and oligo-chitosan-based hydrogels on burn wounds in rats [dissertation-PhD thesis]. Universiti Putra Malaysia; 2010

Zohdi RM. Efficacy of various local honey for the treatment of burn wounds [dissertation-master thesis]. Universiti Putra Malaysia; 2005

		<p>Zohdi RM. Determination of cellular response of bone autograft, allograft and xenograft [dissertation-project paper]. Universiti Putra Malaysia; 2001</p>
<p><b>10</b></p>	<p><b>RESEARCH GRANTS</b></p>	<p>Characterization of Prebiotics from Malaysian Honey and the Role in Modulation of Probiotics. FRGS. 2010-2012. RM 64 000.00. Principal Investigator.</p> <p>Immunomodulatory activities of Malaysian honey on mast cell degranulation and in an Ovalbumin (OVA)-induced model of allergic asthma. ERGS. 2012-2015. RM 110 000.00. Principal Investigator.</p> <p>Evaluation of wound healing activity of Hibiscus Rosa-Sinensis using incision wound model. RIF. 2012-2015. RM 32 000.00. Member.</p> <p>In vivo antidiabetic studies of standardized extracts Ficus Deltoidea varieties. MOA. 2015-2017. RM 179 997.88. Member.</p> <p>Unravelling the antimalarial potential of Goniothalamus lanceolatus in plasmodium berghei infected mice. LESTARI. 2015-2017. RM 20 000.00. Principal Investigator.</p> <p>Probing the antiplasmodial mechanistic pathway of Goniothalamus lanceolatus by targeting the hemozoin biosynthesis. FRGS. 2016-2019. RM 103 200.00. Principal Investigator.</p> <p>Synthesis, QSAR analysis and molecular docking studies of novel thiourea and sulphonamide derivatives of benzimidazole piperazine as <math>\alpha</math>-glucosidase inhibitors. FRGS. 2016-2019. RM 140 800.00. Member.</p> <p>Galectin-3 inhibition properties of benzimidazole derivatives as insulin resistance reversal agent. BESTARI. 2017-2019. RM 45 000.00. Member.</p> <p>Chemical fingerprinting of the leaves extract of Rourea Mimosoides. BESTARI. 2017-2019. RM 25 000.00. Member.</p> <p>Development of antidiabetic standardized nano-encapsulated extract (rmax-e) from Rourea Memosoides</p>

		<p>leaves: physiochemical characteristic and mechanism of action studies. BESTARI. 2018-2019. RM 35 000.00. Member.</p> <p>Unravel the novel bioactive compounds of Rhodomyrtus tomentosa in enhancing the wound-healing process. FRGS. 2019-2020. RM 110 900.00. Member.</p> <p>Antiplasmodial activities of Goniiothalamus lanceolatus using Plasmodium falciparum in vitro culture and Plasmodium berghei-infected mice. GIP. 2019-2020. RM 20 000.00. Principal Investigator</p>
<b>11</b>	<b>AWARDS</b>	<p>Bronze Medal, IIDEX 2018, RIBU UiTM Shah Alam, 2018</p> <p>Bronze Medal, IIDEX 2017, RIBU UiTM Shah Alam, 2017</p> <p>Silver Medal, IIDEX 2016, RIBU UiTM Shah Alam, 2016</p>
<b>12</b>	<b>INVOLVEMENT IN PROFESSIONAL ORGANISATIONS</b>	<ul style="list-style-type: none"> <li>● Member, Laboratory Animal Science Association of Malaysia (LASAM), 2015 – present.</li> <li>● Member, Malaysian Natural Products Society (MNPS), 2015 – present.</li> </ul>
<b>13</b>	<b>PARTICIPATION IN CONTINUING EDUCATION</b>	<p><u>Conferences:</u></p> <p>Presenter, International Conference on Natural Products; 24<sup>th</sup>-25<sup>th</sup> March 2015; Johor Bahru.</p> <p>Presenter, International Conference on Natural Products; 15<sup>th</sup>-16<sup>th</sup> March 2017; Swiss-Garden Beach Resort Damai Laut</p> <p>Presenter, 5<sup>th</sup> International Postgraduate Conference on Pharmaceutical Sciences (IPoPS); 15<sup>th</sup>-18<sup>th</sup> May 2017; UiTM Puncak Alam</p>
<b>14</b>	<b>COMMUNITY SERVICES</b>	<ul style="list-style-type: none"> <li>● Koordinator &amp; Fasilitator, Modul Kepimpinan Pelajar (LPPKP), UiTM.</li> <li>● Trainer for Histological Technique Workshop, Faculty of Pharmacy, UiTM.</li> </ul>

		<ul style="list-style-type: none"><li>• Programme Committee for International Conference of Pharmaceuticals, Nutraceuticals and Cosmetic Sciences (IPNaCs 2015).</li></ul>
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