

# SITI KHAIRIYAH MOHD HATTA

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## EDUCATION

### • **Doctor of Philosophy, Ecological Entomology (2019)**

Faculty of Biological Sciences, University of Leeds

Thesis: *Ficus deltoidea* and its associated fig wasps in Peninsular Malaysia.

Supervisor: Dr Stephen Compton

### • **Master of Science, Entomology (2009), (CGPA 3.79)**

Faculty of Science and Technology, Universiti Kebangsaan Malaysia

Dissertation: Diurnal Behaviour of *Plutella xylostella* and *Cotesia plutellae* Infected By a Microsporidian, *Nosema bombycis*

Supervisor: Prof. Dr. Idris Abdul Ghani

### • **Bachelor of Science with Honors, Biology (2008), (CGPA 3.54)**

Faculty of Science and Technology, Universiti Kebangsaan Malaysia

## HONOURS and AWARDS

- **Silver** Invention, Innovation & Design Expo 2015 (iidex2015) (National level)  
Taxonomical Study Of Social Vespidae At Hutan Simpan UiTM Jengka, Pahang
- **Silver** Invention, Innovation & Design Expo 2014 (iidex2014) (National level)  
Phylogeny Study Of Social Vespidae Wasps Inferred From Cytochrome Oxidase 1 (CO1) Locus
- 2013 University of Technology MARA excellence service award
- **Bronze** BIO MALAYSIA 2013 (International level)  
Spatial Ecology, Habitat Preference and Habitat Management of Parasitoids in Oil Palm Plantations.
- **Gold** Invention, Innovation & Design Expo 2013 (iidex2013) (National level)  
Spatial Ecology, Habitat Preference and Habitat Management of Parasitoids in Oil Palm Plantations
- **Silver** Invention, Innovation & Design Competition (IID JOHOR 2013) (National level)  
Species Composition and Habitat Preference of Bagworm's Parasitoids in Felda Besout 6 Oil Palm Plantations
- **Bronze** International Innovation, Design And Articulation (i-idea2013) (National level)  
Spatial Ecology, Habitat Preference and Habitat Management of Parasitoids in Oil Palm Plantations

## TEACHING EXPERIENCE

2010--present

**Lecturer**, Universiti Teknologi MARA

Performed all regular duties of a lecturer for a class size of 80 including lectures, and laboratories (course: Biodiversity).

## **WORKING EXPERIENCE**

2009	Research Assistant in Malaysian Agriculture Research and Development Institute (MARDI)
2010	Wildlife officer at Department of Wildlife and Natural Park (DWNP)
2010 —present	Lecturer at University of Technology MARA

## **RESEARCH INTERESTS**

- Mutualism between figs and fig wasps
- Specificity of fig wasps
- Insect diversity & behavior

## **Skills and Abilities**

- Words, Excel, Power Point
- SPSS Software
- Minitab Software
- Basecamp Garmin Software
- Stereo and Light Microscope
- Image Analyzers Zeiss
- R Statistic
- OriginPro

## **RESEARCH EXPERIENCE**

### **Research Assistant**

#### Malaysian Agriculture Research and Development Institute (MARDI)

- Conducted research in the area of agriculture under the supervision of Dr. Norowi Hamid.  
Quantification of Pollination Service Provided by Arthropod Pollinators in Mango and Watermelon Ecosystems

## **PUBLICATIONS**

- **Jurnal (Indexed)**

Khairul Husna N., Noor Nasuha A.A., Saiyid Jalaludin S.S., Muhamad Luqman Hakim A., Nurul Fatihah A.L., Idris A.G. & **Siti Khairiyah M.H.** (2018). Diversity and abundance of Dipteran Species at two different elevations in Gunung Datuk Negeri Sembilan, Malaysia. *Serangga* 23(2); 194-202.

Noor Nasuha A.A., Saiyid Jalaludin S.S. **Siti Khairiyah M.H.** & Idris A.G. (2017). Assemblage patternsof Hymenoptera at different elevations of Gunung Datuk, Rembau. *Scientific Research Journal*, 14(2): 2-15.

Noor Nasuha A. A, **Siti Khairiyah M. H** & Idris A. B. (2017). Pollinating fig waps and seed productions of Ficus deltoidea var. Angustifolia at selected oil palm plantations in peninsular Malaysia. *Serangga* 22(2); 151-170

Siti Aisyah M.P, Noor Nasuha A.A, Saiyid Jalaluddin S.S, Idris A.G & **Siti Khairiyah M. H.** (2017). The effect of elevation on diversity and abundance of class insecta at Gunung Datuk, Negeri Sembilan. *Serangga* 22(2); 47-60.

Nurdiana, S., Nur Ajeerah, S., Nur Farhana, A.S., **Siti Khairiyah, M.H.** and Norashirene, M.J. (2013). Hypoglycemic, antioxidant and wound healing activities of Mikania micratha leaves extracts in normal and alloxan-induced diabetic rats. *Science Letter*. 7(2): 6-10

- **Papers in Refereed Conference Proceedings (Indexed)**

**Siti Khairiyah, M.H.** , Saiyid Jalaluddin, S.S., Wan Seribani, W.N, Norashirene, M.J.and Asmida, I. (2015). Assesment on Diversity and Abundance of Hymenoptera at Selected Forests in Pulau Langkawi, Malaysia. Proceeding of The 3rd International Symposium on Fundamental Symposium on Fundamental and Applied Sciences (ISFAS), 171-178.

**Siti Khairiyah, M.H.** , Saiyid Jalaluddin, S.S., Noor Dalila Farhana, U. , Norashirene, M.J.and Asmida, I. (2015). Entomofaunal Diversity of Hymenoptera at Hutan Simpan Uitm Jengka, Kem Sri Gading. *Journal of Malaysian Applied Biology*.

Asmida, I, **Siti Khairiyah, M.H.**, Norashirene, M.J, Dzulsuhaimi, D. and & Ahmad, I. (2015). Utilising Quadrat Method for Biodiversity Study of Seaweeds in Blue Lagoon, Port Dickson, Malaysia. Proceeding of The 3rd International Symposium on Fundamental Symposium on Fundamental and Applied Sciences (ISFAS). 197- 199.

Saiyid Jalaluddin, S.S., **Siti Khairiyah, M.H.**, Ahmad Mustaqim., A.K. (2015). A Taxonomic Study of the Social wasps Stenogastrinae, Polistinae and Vespinae (Hymenoptera: Vespidae). *Journal of Malaysian Applied Biology*.

Asmida, I., Nurul Farhana, A., Noor Akmal, A.B., Ahmad, I and **Siti Khairiyah, M.H.** (2014). Air Pollution & Shading As Possible Factor Affecting Number of Algal Cells (Chlorophyta : Cocomyxa confluence). International Conference on Emerging Trends In Academic Research.

Mohamad Arif, M.J., Norashirene, M.J., Farida Zuraina, M.Y., Salmah, Y., Nicholas, A.S and **Siti Khairiyah, M.H.** (2014). Molecular Phylogeny of Social Vespid Wasps Inferred from DNA Sequence Data of 28S. Proceedings of the 13th Symposium of the Malaysian Society of Applied Biology 2014.

**Siti Khairiyah, M.H.**, Usman, S., Suzita, Y., Florinsiah, L. and Nur Shahirah, N. (2013). The Effect of Elevations on Diversity and Abundance of Class Insecta at Taman Negara Gunung Ledang, Johor. 2013 IEEE Business, Engineering and Industrial Applications Colloquium.

**Siti Khairiyah, M.H.**, Elna Elfira, S., Mohd hanysyam, M.N., Nurdiana, S., Norashirene, M.J. and Faezah, P. (2013). Entomofaunal Diversity of Diptera at FELDA Besout 6 Oil Palm Plantation. International Conference on Agricultural and Natural Resources Engineering (ICANRE). 45-50.

Nurdiana, S., Nurul Izzati., **Siti Khairiyah, M.H.**, Nur Zulakha., Kamaruddin, M.S. and Norashirene, M.J. (2013). Repopulation of The Atrophied Uterine in Diabetic Rats by *Azadirachta excelsa* Leaves Extract. 2013 International Conference on Agricultural and Natural Resources Engineering.

Pardi, F., Asmida, I., **Siti Khairiyah, M. H.** & Nadila, A. K. 2013. Community Structure of Saplings at Different Elevations of Gunung Ledang National Park. Proceeding. 2013 IEEE Symposium on Humanities, Science and Engineering. Penang, Malaysia. 23-25 June 2013. **SCOPUS**.

Mohd Hanysyam, M.N., **Siti Khairiyah, M.H.**, Fauziah, I., Fairuz, K., Mohd Rasdi, Z., Nurul Zfarina, M.Z., Ismail, R. and Norazliza, R. (2013). Assessment on the Diversity of Parasitoids of Bagworms (Lepidoptera: Psychidae) in FELDA Gunung Besout 6, Sungkai, Perak. 2013 IEEE Symposium on Humanities, Science & Engineering Research.

Norhafizah, M.Z., **Siti Khairiyah, M.H.**, Noor Akmal, A.W., Siti Noorfahana, M.I and Liyana, M. (2013). Diversity and Abundance of Class Insecta at IOI Oil Palm Plantations, Negeri Sembilan. 2013 IEEE Symposium on Humanities, Science & Engineering Research.

Faezah, P., Asmida, I., **Siti Khairiyah, M.H.** and Nadila, A.K. (2013). Community Structure of Saplings at different Elevations of Gunung Ledang National Park, Johor. 2013 IEEE Symposium on Humanities, Science & Engineering Research.

Mohd Hanysyam, M.N., **Siti Khairiyah, M.H.**, Fauziah, I., Fairuz, K., Mohd Rasdi, Z., Nurul Zfarina, M.z., Elna Elfira, S. and Ismail, R. (2013). Entomofaunal Diversity of Insects in FELDA Gunung Besout 6, Sungkai, Perak. 2013 IEEE Business, Engineering and Industrial Applications Colloquium.

Faezah, P., Asmida, I., **Siti Khairiyah, M.H.**, Norrizah, J.S and Nuraini, C.A. (2013). Diversity and Tree Species Community at Bukit Nanas Forest Reserve, Kuala Lumpur. 2013 IEEE Business, Engineering and Industrial Applications Colloquium.

**Siti Khairiyah, M.H.** and Nor Izzati, M.R. (2012). Species Richness and Temporal Variation in the Dragonfly and Damselfly Fauna at National Botanical Garden Shah Alam. 2012 IEEE Colloquium on Humanities, Science and Engineering Research. (ISBN: 978-1-4244-3820-4).

**Siti Khairiyah, M.H.**, Nurul Zfarina, M.Z., Mohd hanysyam, M.N. and Fauziah, I. (2012). Entomofaunal Diversity of Hymenoptera in Felda Besour 6 Oil palm Plantation. 2012 IEEE Symposium on Business, Engineering and Industrial Applications. (ISBN: 978-1-4244-3820-4).

**Siti Khairiyah, M.H.** and Nur Ilyani, S. (2012). Diversity and Abundance of Ichneumonidae at Kuala Lompat, Krau Wildlife Reserve Forest. Proceeding of The 12<sup>th</sup> Symposium of the Malaysian Society of Applied Biology.

**Siti Khairiyah, M.H.**, Ruslan, M.Y., Nicholas, A.A. and Mohamad Hafizal, M. (2012). Diversity and Abundance of Orthoptera at Kuala Lompat, Krau Wildlife Reserve Forest. *Proceeding of The 2<sup>nd</sup> Congress of the East Asian Association Environmental and Resources Economics*. 97-105.

**Siti Khairiyah, M.H.** (2011). Diversity and Abundance of Some Insect Fauna in Kuala Lompat, Krau Wildlife Reserve Forest. 2011 *IEEE Colloquium on Humanities, Science and Engineering Research*. (ISBN: 978-1-4673-0019-3).

**Siti Khairiyah, M.H.**, Ruslan, M.Y., Nicholas, A.A. and Nurul Ain, N. (2011). Diversity and Abundance of Diptera at Kuala Lompat, Krau Wildlife Reserve Forest. *Proceeding of International Symposium on Rehabilitation of Tropical Rainforest Ecosystem 2011*. 429-433.(ISBN: 978-967-5526-08-4).

## **RESEARCH FUNDINGS**

### **National Level Active Research Funding**

- Entomofaunal Diversity and Species Identification of the Social Vespidae in Peninsular Malaysia. Principal Investigator. 2014-2016. RM 50, 000. *Research Acculturation Collaborative Effort (Race)* Grant Scheme.
- A Taxonomic Revision of Stenogastrinae, Polistinae and Vespinae in Peninsular Malaysia. Principal Investigator. 2012-2014. RM 80, 000. Research Acculturation Grant Scheme (Rags).

## **Internal funds**

- Spatial Ecology, Habitat Preference and Habitat Management of Parasitoids in Oil Palm Plantation. Principal Investigator. 2012-2014. RM 32, 000. Universiti Teknologi MARA Internal Funds.
- Diversity and Abundance of Hymenoptera at Kuala Lompat, Krau Wildlife Reserve Forest. Principal Investigator. 2011-2012. RM 10, 000. Universiti Teknologi MARA Internal Funds.

## **ACADEMIC COMMUNITY INVOLVEMENT**

### **Conferences organization and committee work**

- Secretariat of Pure and Applied Biology Colloquium 2019 (Organizer).
- Secretariat of International Conference on Sustainable Development of Tropical Coastal Zones (PD 2013)(Organizer)
- Technical committee for 2013 4th international Conference on Agriculture and Animal Science (CAAS).
- Session chair for 2013 IEEE Business Engineering and Industrial Applications Colloquium (BEIAC).
- Session chair for 2013 IEEE Symposium on Business, Engineering and Industrial Applications (ISBEIA).

### **Editorial and reviewer experience**

- Reviewer, Ulu Sat Scientific Expedition Seminar 2019.
- Reviewer, Journal of Tropical Resources and Sustainable Science
- Reviewer, Conference papers for 2013 4<sup>TH</sup> International Conference on Agriculture and Animal Science (CAAS).
- Reviewer, Conference papers for 2013 IEEE Symposium on Business, Engineering and Industrial Application (ISBEIA 2013).
- Reviewer, Conference papers for 2013 IEEE Symposium on Humanities, Science & Engineering Research (SHUSER 2013).
- Reviewer, Conference papers for 2013 IEEE Business, Engineering and Industrial Applications Colloquium (BEIAC 2013).
- Reviewer, Conference papers for 2013 IEEE Colloquium on Humanities, Science and Engineering Research (CHUSER 2014)

## **PROFESSIONAL MEMBERSHIPS**

- Entomological Society of Malaysia (ENTOMA)

## **LANGUAGES**

- Fluently bilingual in English and Malay

## **REFERENCE**

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Faculty Science & Technology,  
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