

CURRICULUM VITAE



**PROFESSOR DR. FARIDAH HANUM
IBRAHIM**

A SUMMARY

Faridah Hanum Ibrahim received her Ph.D. in Botany from the University of Reading, England in 1989 and is currently a Professor of Forest Botany at the Faculty of Forestry, Universiti Putra Malaysia (UPM). Amongst others, she is also an Associate Researcher at the Bioscience Institute, UPM and Foreign Specialist to Forest and Forest Products Research Institute (FFPRI) at Tsukuba, Japan, and has held the post of Head of Department of Forest Production, Faculty of Forestry, Universiti Putra Malaysia (UPM).

Professor Faridah Hanum has many years of experience in conducting research in the Malaysian forests. Her specialization is forest botany and her major research interest lies in the area of plant diversity and conservation. The following new knowledge on tropical forestry has been generated from her work in this area:

1. For the first time, the popular Shannon Index of Species Diversity for animals was used for plants; and ranges for the index of various forest types were developed over the years since 1998 with collaboration from several institutions in Malaysia.
2. Determination of the minimum sampling size of 5-ha for capturing plant species diversity of tropical lowland logged-over forest in the year 2000; this size was later adopted by Forest Department Peninsular Malaysia (FDPM) for their biodiversity inventory work until today. More recent research shows that the minimum sampling size differs with different forest types, and these recommendations have been adopted by Forestry Department Peninsular Malaysia for its biodiversity inventory work.
3. For the first time, monetary value was given to plant diversity to address its importance and conservation because policy-makers could not see the usefulness if not translated into 'dollars and cents'. The pioneering work began in 1995 with the collaboration of Assoc. Prof. Dr. Awang Noor Abdul Ghani (UPM), an economist who later popularized the 'Economic Valuation of Biodiversity and Forest Services in Malaysia'.

4. The selection of indigenous fruit species for rehabilitating degraded areas of forest has shown tremendous increase in the number of wildlife species habitating and visiting the forest
5. Two new varieties of kepayang (*Pangium edule*) were discovered in Sarawak; and these are new to science. Basic phytochemistry work led to more elaborate research on this species by Sarawak Biodiversity Centre (SBC) for novel products in 2009.

To date Professor Faridah Hanum has received a total of 12 research grants from both local and international organizations such as International Foundation of Science (Sweden), UNDP, Tsukuba Forest and Forest Products Research Institute and the Centre of International Forestry Research (CIFOR). She has written, edited and published more than 200 papers, abstracts and reports in journals, books, proceedings and other popular contributions. She has authored and co-authored five books in her area of specialization, and co-edited an important book on auxiliary plants in forestry and agriculture with Professor L.J.G. van der Maesen of Wageningen University, Netherlands (Faridah-Hanum, I. and van der Maesen, L.J.G. (Eds.). 1997. Plant Resources of South-East Asia No. 11. *Auxiliary Plants*. Backhuys Publishers, Leiden, The Netherlands. 389pp.). She had supervised a total of 30 postgraduate students (9 Ph.D. and 21 M.Sc.). She has also been appointed as external examiner to postgraduate theses in several universities in Malaysia.

In recognition of her achievements for work related to her specialization, Professor Faridah Hanum has also been consulted by local and international organizations viz., DANIDA, WWF, UNESCO, UNEP and UNDP and had received fellowships from SEAMEO-BIOTROP, ASEAN Regional Centre on Biodiversity Conservation, FFPRI Tsukuba and Islamic Development Bank, and other research and excellent service awards from the university. She sits in many plant and biodiversity related committees at both the university, national and international level.

CURRICULUM VITAE



1. **NAME:** PROFESSOR DR. FARIDAH HANUM IBRAHIM
2. **POST:** Deputy Director / Professor
3. **ADDRESS:**
Research Mangement Centre
Agribio Resources Division
Universiti Putra Malaysia (UPM)
43400 UPM Serdang
Selangor. MALAYSIA

Tel: 603 – 89471413
HP: 6012- 3484191
Fax: 603 – 889471417
Email: faridahhanum@rmc.upm.edu.my
4. **FIELD OF SPECIALIZATION:** Forest Botany
5. **DATE OF BIRTH:** 8 January 1960

AGE: 50 years
6. **ACADEMIC QUALIFICATIONS:**

| Institution | Degree | Year |
|---|---------------------------------------|-------------|
| University of Reading (England) | Ph.D. (Botany) - Plant Systematics | 1989 |
| Universiti Kebangsaan Malaysia, Bangi (Malaysia) | B.Sc.(Honours) - Botany | 1984 |

7. ACADEMIC APPOINTMENTS

1. Professor 1 April 2009
2. Deputy Director 2010-2013
Research Management Centre
Universiti Putra Malaysia, serdang
3. Head 2009-2010
Department of Forest Production
Faculty of Forestry
Universiti Putra Malaysia, Serdang
4. Associate Researcher 2008 to date
Institute of Bioscience
Universiti Putra Malaysia, Serdang
5. Head 1999 – 2001
Department of Forest Production
Faculty of Forestry
Universiti Putra Malaysia, Serdang
6. Master Programme Coordinator 1997 – 2001
Master of Science in Tropical Forest Resource Management
Faculty of Forestry
Universiti Putra Malaysia, Serdang
7. Course Coordinator 2001 – 2003
Master of Science in Sustainable Resource Management
Faculty of Agriculture
Universiti Putra Malaysia, Serdang
8. Research Fellow 1997 – 2000
Institute of Environment and Development (LESTARI)
Universiti Kebangsaan Malaysia, Bangi
9. Associate Professor 1 August 1998 to date
Faculty of Forestry
Universiti Putra Malaysia, Serdang
10. Lecturer 28 January 1989
Faculty of Forestry to 31 July 1998
Universiti Putra Malaysia, Serdang
11. Tutor 9 October 1984
Faculty of Forestry to 27 January 1989

UPM Serdang
Universiti Putra Malaysia, Serdang

8. LANGUAGE PROFICIENCY

English (Malaysian Certificate of Education – Grade A)
Bahasa Malaysia (M.C.E. Grade C4)
Have taught Diploma, Degree and Postgraduate courses in both languages.

9. TEACHING EXPERIENCE

9.1 Courses Within UPM

| <u>Code</u> | <u>Course</u> | <u>Credit</u> | <u>Programme</u> |
|-------------|---|---------------|--------------------|
| FHP 2101 | Forest Botany | 4 | Diploma (Year 1) |
| FHP 201 | Forest Botany 1 | 3 | Diploma (Year 1) |
| FHP 202 | Forest Botany II | 2 | Diploma (Year 1) |
| FHP 2107 | Forest Botany | 4 | Diploma (Year 1) |
| FHP 301 | Dendrology 1 | 3 | B.Sc (Year 1) |
| FHP 302 | Dendrology II | 2 | B.Sc. (Year 1) |
| FHP 3101 | Dendrology | 4 | B.Sc. (Year 1) |
| FHP 3111 | Forest Ecology | 3 | B.Sc. (Year 1) |
| FHS 3704 | Research Project | 4 | B.Sc. (Final Year) |
| FHP 4103 | Biodiversity and Conservation | 3 | M.S. |
| FHS 5218 | Forestry Issues and Economic Development | 3 | M.S./Ph.D. |
| SPS 5999 | Research Project | 3- 9 | M.S . |
| SPS 6999 | Research Project | 3-12 | Ph.D. |
| FHS 5955 | Special Topics | 3 | M.S./Ph.D. |
| FHS 5933 | Seminar | 1 | M.S./ Ph.D. |

9.2 Courses Outside UPM

1. Paper Writing and Editing Courses to Forestry Department Peninsular Malaysia's officers (2007 and 2008).
2. Training courses in ' Plant Identification' and 'Plant Inventory' (for various institutions such as State Forestry Departments, National Wildlife Department (PERHILITAN), the National Museum Herbarium and other state museums, and several State Parks) (2000 – to date)
3. Second Year course in 'Plant Taxonomy' at the Faculty of Life Sciences, Universiti Kebangsaan Malaysia, Bangi (1991-1992)

4. Post-Doctoral Training Course for ASEANs on 'Taxonomy for the Inventory of Tropical Trees' at the South-East Asian Regional Centre for Tropical Biology (SEAMEO-BIOTROP) in Bogor, Indonesia (May-June 1992)

10. PROJEK PENYELIDIKAN DAN PERUNDINGAN

1. PENYELIDIKAN

| No. | Project | |
|------------|---|-----------------------|
| 1. | (2008-2010) Title of Research: Mangrove Ecosystem Enhancement for the Livelihood Improvement of Marudu Bay Community in Sabah Source of Grant: National Oceanography Directorate (RM500,000) | Co-researcher |
| 1. | (2007-2009) Title of Research: Ecology and Conservation of <i>Aquilaria</i> species in Peninsular Malaysia Source of Grant: Ministry of Higher Education Malaysia (RM 67,000) | Project Leader |
| 2. | (2007-2010) Title of Research: Biodiversity Assessment and Economic Valuation of Recreational Forests in Kedah, Malaysia Source of Grant: Ministry of Higher Education Malaysia (RM 178,000) | Project Leader |
| 3. | (2007-2010) Title of Research: Economic Valuation and Forest Resource Accounting in Peninsular Malaysia. Source of Grant: Forest Department Peninsular Malaysia (RM 550, 000) | Co-researcher |
| 4. | (1998-2000) Title of Research: Plant Diversity and Conservation of Lowland Forests Source of Grant: IRPA (RM 335, 000) | Project Leader |
| 5. | (2002-2005) Title of Research: Biodiversity and Conservation of Perlis State Park Source of Grant: IRPA (RM 163,760) | Project Leader |
| 6. | (2004-2006) Title of Research: Peat Swamp Forest Plants Source of Grant: UNDP/GEF (RM 100, 000) | Project Leader |
| 7. | (2002-2004) | Programme |

- Title of Research: Rehabilitation for the Creation of Wildlife Corridor at Ayer Hitam
Source of Grant: Forest and Forest Products Research Institute, Tsukuba, Japan (RM 30, 000) **Leader**
8. (1997-1999) **Co-researcher**
Title of Research: Rehabilitation of logged-over tropical forest ecosystem
Source of Grant: Centre of International Forestry Research CIFOR (RM 50, 000)
9. (1997-1998) **Co-researcher**
Title of Research: Ecosystem evaluation of fragile habitats through advanced technology
Source of Grant: IRPA (RM 30,000)
10. (1997-1999) **Co-researcher**
Title of Research: Economic Valuation of Forest Goods and Services
Source of Grant: IRPA (RM 50, 000)
11. (1996) **Project Leader**
Title of Research: Multidisciplinary studies on *Pangium edule* in Malaysia,
Source of Grant: International Foundation of Science (Sweden) (US 10,000)
12. (1991) **Project Leader**
Title of Research: Plants of Ayer Hitam
Source of Grant: UPM Seed Money (RM 10,000)
- b) PERUNDINGAN**
- 1.. **Faridah-Hanum, I.** 2009. *Environmental Impact Assessment of the Proposed Development of Pulau Banding, Perak (Flora)*. MKN Groups Sdn. Bhd. **Project Leader (Flora)**
2. **Faridah-Hanum, I.** 2009. *Macro Environmental Impact Assessment of Forest Harvesting in Terengganu (Flora)*. Forestry Department of Terengganu. **Project Leader (Flora)**
3. **Faridah-Hanum, I.** 2009. *Macro Environmental Impact Assessment of Forest Harvesting in Kelantan (Flora)*. Forestry Department of Kelantan **Project Leader (Flora)**
4. **Faridah-Hanum, I.** 2008. *Macro Environmental Impact Assessment of Forest Harvesting in Pahang (Flora)*. Forestry Department of Pahang. **Project Leader (Flora)**
5. **Faridah-Hanum, I.** 2002. *Conservation and Development of Perlis* **Programme**

- State Park: Resource Management Plan*. DANIDA /WWF. 115 pp. **Leader**
6. Awang Noor Abdul Ghani, **Faridah-Hanum, I.**, Rusli Mohd., Shukri Mohamed, Mohd. Shahwahid Hj. Othman & M.Z. Hussin. 1997. *Biodiversity Country Study : Economic Valuation of Biodiversity (Volume 3)*. Ministry of Science, Technology and Environment, Malaysia. **Co-researcher**
 7. **Faridah-Hanum, I.** and Lim, M.T. 1993. *Ayer Hitam Forest Reserve Report*. 1975-1992. 200pp. **Project Leader (Flora)**
 8. **Faridah-Hanum, I. et al.** 2005. *Environmental Impact Assessment of the Proposed Development for Oil Palm Esatate at Sg. Ibok, Trengganu*. Ladang Rakyat Trengganu Sdn. Bhd. **Project Leader (Flora)**
 9. **Faridah-Hanum, I. et al.** 2004. *Environmental Impact Assessment of the Proposed Development for Oil Palm Esatate at Sg. Lesong, Trengganu*. Ladang Rakyat Trengganu Sdn. Bhd. **Project Leader (Flora)**
 10. **Faridah-Hanum, I. et al.** 1999. *Environmental Impact Assessment of Lojing, Kelantan*. State Economic Development Corporation, Kelantan. **Project Leader (Flora)**
 11. **Faridah-Hanum, I.** 1998. *Survey of Forest Trees of Kalabakan/Rara Forest Reserve*. Benta Wawasan Sdn. Bhd. And Sabah Foundation, Malaysia. **Project Leader (Flora)**
 12. **Faridah-Hanum, I. et al.** 1998. *Environmental Impact Assessment of the Proposed East Coast Expressway*. Ecotone Management Sdn. Bhd., Kuala Lumpur. **Project Leader (Flora)**
 13. **Faridah-Hanum, I. et al.** 1997. *Environmental Impact Assessment of the Proposed Development*. Cyberjaya and Department of Environment, Ministry of Science, Technology and Environment, Malaysia. **Project Leader (Flora)**
 14. **Faridah-Hanum, I. et al.** 1997. *Preparation of Environmental Guidelines for Multimedia Super Corridor*. Department of Town and Country Planning/Multimedia Development Corporation **Project Leader (Flora)**
 15. **Faridah-Hanum, I. et al.** 1997. *Environmental Impact Assessment of the Proposed University Multimedia, Cyberjaya*. MEPS Joint Project/ Projass Engineering **Project Leader (Flora)**
 16. **Faridah-Hanum, I. et al.** 1995. *Environmental Impact Assessment of the Proposed Development of Putrajaya*. Economic Planning Unit, Prime Minister Department and Department of Environment, Ministry of Science, Technology and Environment, Malaysia. **Project Leader (Flora)**

17. **Faridah-Hanum, I. et al.** 1990. Master Plan for the Management and Development of Kinabalu Park, Sabah. Coopers-Lybrand and Sabah Parks, Malaysia. **Project Leader (Flora)**

11. GERAN PENYELIDIKAN DAN PERUNDINGAN PERINGKAT KEBANGSAAN

| No. | Project | Amount (RM) |
|-----|--|-------------|
| 1. | Co-researcher (2008-2010) Title of Research: Mangrove Ecosystem Enhancement for the Livelihood Improvement of Marudu Bay Community in Sabah Source of Grant: National Oceanography Directorate | 500, 000 |
| 2. | Project Leader (2007-2009) Title of Research: Ecology and Conservation of <i>Aquilaria</i> species in Peninsular Malaysia Source of Grant: Ministry of Higher Education Malaysia | 67, 000 |
| 3. | Project Leader (2007-2010) Title of Research: Biodiversity Assessment and Economic Valuation of Recreational Forests in Kedah, Malaysia Source of Grant: Ministry of Higher Education Malaysia | 178, 000 |
| 4. | Co-researcher (2007-2010) Title of Research: Economic Valuation and Forest Resource Accounting in Peninsular Malaysia. Source of Grant: Forest Department Peninsular Malaysia | 550, 000 |
| 5. | Project Leader (1998-2000) Title of Research: Plant Diversity and Conservation of Lowland Forests Source of Grant: IRPA | 335, 000 |
| 6. | Project Leader (2002-2005) Title of Research: Biodiversity and Conservation of Perlis State Park Source of Grant: IRPA | 163, 760 |
| 7. | Co-researcher (1997-1998) Title of Research: Ecosystem evaluation of fragile habitats through advanced technology Source of Grant: IRPA | 30, 000 |
| 8. | Co-researcher (1997-1999) Title of Research: Economic Valuation of Forest Goods and Services Source of Grant: IRPA | 50, 000 |
| 9. | Project Leader (1991) Title of Research: Plants of Ayer Hitam Source of Grant: UPM Seed Money | 10, 000 |

TOTAL 1, 883, 760

12. GERAN PENYELIDIKAN DAN PERUNDINGAN PERINGKAT

ANTARABANGSA

| No. | Project | Amount (RM) |
|-----|--|-------------------|
| 1. | Project Leader (2004-2006) Title of Research: Peat Swamp Forest Plants Source of Grant: UNDP/GEF | 100,000 |
| 2. | Project Leader 2000 – 2002. <i>Conservation and Development of Perlis State Park: Resource Management Plan.</i> DANIDA /WWF. | 50,000 |
| 3. | Programme Leader (2002-2004) Title of Research: Rehabilitation for the Creation of Wildlife Corridor at Ayer Hitam Source of Grant: Forest and Forest Products Research Institute, Tsukuba, Japan | 30,000 |
| 4. | Co-researcher (1997-1999) Title of Research: Rehabilitation of logged-over tropical forest ecosystem Source of Grant: Centre of International Forestry Research CIFOR | 50,000 |
| 5. | Project Leader (1996) Title of Research: Multidisciplinary studies on <i>Pangium edule</i> in Malaysia, Source of Grant: International Foundation of Science (Sweden | 38,000 |
| | TOTAL | RM 268,000 |

1. PATENT DAN COPYRIGHT

1. PATENT DEPOSIT

'Spectral Band Configuration for Airborne Hyperspectral Imaging of the Tropical Forest' (Researchers: Affendi Suhaili, Awang Noor Abd Ghani, Ainudin Nurudin and **I. Faridah-Hanum**) - patent pending

b) COPYRIGHT

- International

1. **Faridah-Hanum, I.** & van der Maesen, L.J.G. 1997. Plant Resources of South-East Asia No. 11. *Auxiliary Plants*. Backhuys Publishers, Leiden, Netherlands. 389 pp. ISBN 979-8316-00 -2
2. **Faridah-Hanum, I.** & Shamsul Khamis. 2005. *A Handbook on the Peat Swamp Flora of Peninsular Malaysia*. United Nation Development Programme (UNDP). 251 pp. ISBN 983-41877-4-2

- National

3. **Faridah-Hanum, I.** 2009. *Ayer Hitam Forest: the green lung of Klang Valley*. Universiti Putra Malaysia Press, Serdang. 105 pp. ISBN 978-967-5026-72-0
4. Roslan Ariffin, Kasim Osman, **Faridah-Hanum, I.**, Zainudin. A. & Latiff, A. 2006. *A Guide-Book to Plants of Perlis* (Suatu Buku Panduan Untuk Perlis). Forestry Department of Perlis. 200 pp. ISBN 983-40653-6-1
5. **Faridah-Hanum, I.** & Shamsul Khamis. 2004. *A Guide to the Common Plants of Ayer Hitam Forest, Selangor, Peninsular Malaysia*. Universiti Putra Malaysia Press, Serdang. 219 pp. ISBN 983-2871-65-4
6. Kasim Osman, **Faridah-Hanum, I.**, Zainudin. A. & Latiff, A. 2002. *A Guide-Book to Medicinal Plants of Perlis*. Forestry Department of Perlis. 139 pp. ISBN 983-40653-3-7

1. ANUGERAH PERINGKAT ANTARABANGSA

1. **SEAMEO-BIOTROP Fellowship 1992**
I was awarded a one-month travel fellowship for the co-ordination of a post-doctoral training course for 30 ASEAN participants entitled 'Taxonomy for the Inventory of Tropical Trees' at the South-East Asian Regional Centre for Tropical Biology (SEAMEO-BIOTROP) in Bogor, Indonesia.
2. **ARCBC Fellowship 2000**
A travel fellowship that is awarded to scientific experts in the area of biodiversity conservation in the ASEAN countries by ASEAN Regional Centre on Biodiversity Conservation (ARCBC) based in Los Banos, Philippines. I was one of the two candidates chosen to represent Malaysia based on my active involvement at the international level with DANIDA, WWF, PROSEA, UNESCO, UNEP and UNDP for the conservation of biodiversity in Malaysia and South-East Asia.
3. **Foreign Specialist Fellowship 2003**

A travel fellowship was awarded to foreign specialists who coordinated and collaborated in the tropical forest research in South-East Asia sponsored by Forest and Forest Products Research Institute (FFPRI), Tsukuba, Japan.

4. **Islamic Development Bank Fellowship 2008**

A travel fellowship which is awarded to recognized scientists in the Muslim countries by the Islamic Development Bank.

1. **Islamic Development Bank Fellowship 2009**

A travel fellowship which is awarded to recognized scientists in the Muslim countries by the Islamic Development Bank.

15. ANUGERAH PERINGKAT KEBANGSAAN

1. **Universiti Putra Malaysia Excellent Service Awards (Year 2001 and 2006)**

This award is given annually to only 5% of the staff for their excellent service to the university.

2. **Excellent Service Yearly Performance (1998 – 2009)**

Staffs whose yearly performance exceed 85% for a particular year.

3. **UPM Silver Jubilee Publication Award 2002**

This award is given to an academic staff of the university for the most cited paper in 25 years (1977-2002) for three categories viz.: Physical Sciences, Biological Sciences and Agriculture, and Social Sciences. I was the recipient of the best paper award entitled 'Plant Diversity and Conservation Value of Ayer Hitam Forest, Selangor, Peninsular Malaysia' for the Biological Sciences and Agriculture Category.

4. **UPM Research Awards**

This award is given to researchers in the university annually for the following criteria: excellent research, research with potential commercial value, research with potential national and international recognition and/with potential patents.

4.1 Gold Medal (2008) – *Pangium edule* Reinw. (Flacourtiaceae): A Lesser Known Potential Economic Species from Malaysia

4.2 Gold Medal (2008): Spatial Distribution of Rare Tree Species in Two Virgin Jungle Reserves in Peninsular Malaysia

4.3 Gold Medal (2009): Peat Swamp Flora of Peninsular Malaysia

4.4 Gold Medal (2009): Potential Orang Asli Medicinal Plants for General Health and Drug Screening

Silver Medal (2003) : Economic valuation of forest goods and services

Silver Medal (2008): Relationship between Economic Value and Species
Diversity of Timber Resources in a Hill Forest in Peninsular Malaysia

4.7 Silver Medal (2009): Plant Diversity and Conservation of Ayer Hitam Forest, Selangor.

4.8 Bronze Medal (2002) : Sampling species diversity in 5-ha of a logged-over forest at Ayer Hitam, Selangor

4.9 Bronze Medal (2003) : Indigenous knowledge for drug screening and commercialized product

16. PENGIKTIRAFAN

a) Peringkat Antarabangsa

- Editor. Pakistan International Journal of Botany (May 2008 – to date)
- Reviewer. United Nations Development Project (UNDP) on '*Plants of Peat Swamp Forests of Sarawak*' (2006)
- Editor. Japan Society of Tropical Ecology Journal (TROPICS). (2002 – to date)
- Consultant. United Nations Development Project (UNDP) on Trees of Peat Swamp Forests in Malaysia (2004- 2005)
- Foreign Specialist. Tsukuba Forest and Forest Products Research Institute Research Project: Rehabilitation for the creation of Wildlife Corridor at Ayer Hitam Forest, Selangor (2003)
- Short Term Advisor (STA) to DANIDA /WWF/Forestry Department Perlis on the Biodiversity and Conservation of Perlis State Park (2000 – 2002)
- Scientific Expert to ASEAN Regional Centre on Biodiversity Conservation (ARCBC) based in Los Banos, Philippines (2000).
- Resource person for CABI on the Asian Pacific Project on Electronic Forestry Compendium of Forest Species (1997 – 1998)
- Co-Editor. Plant Resources of South-East Asia (PROSEA) Volume 11: Auxiliary Plants (1996-1997)

- Resource person to United Nations Environmental Programme (UNEP) in preparing Biodiversity Country Study for Malaysia (1995-1997)
- Resource person. Asian Pacific Trees for UNESCO (1994)
- Coordinator and Resource Person for the International Training Course for ASEAN Post-Doctorate Students on 'Taxonomy for the Inventory of Tropical Trees' at the South-East Asian Regional Centre for Tropical Biology (SEAMEO-BIOTROP) in Bogor, Indonesia (1992).
- Keynote Speaker. 2009. Determination of sampling size for tropical tree diversity studies: the case of a virgin hill forest. Keynote paper presented at the '*International Conference of Plants and Environmental Pollution*', Kayseri, Turkey, 6-11 July 2009.
- Invited Speaker. Species accumulation curves in tropical forest: the case of Malaysia. Plenary paper presented at the '*10th International Conference of Plant Scientists*', Faisalabad, Pakistan, 22-25 April 2008.

b) Peringkat Kebangsaan

- Chief Editor to Journal 'The Malaysian Forester' (2007 – to date)
- Coordinator and Resource Person for the 'Paper Writing Workshop for Forestry Department Peninsular Malaysia' (2008 and 2009)
- External Assessor to Universiti Kebangsaan Malaysia (Faculty of Science and Technology) for the promotion of lecturers to the post of Associate Professor (2008).
- External Assessor to Universiti Malaysia Sarawak (Faculty of Science) for the promotion of lecturers to the post of Associate Professor (2010).
- Consultant Editor to Dewan Bahasa dan Pustaka, Malaysia on Dictionary of Trees/ Kamus Besar Dewan (2004- to date)
- Member. National Plant Strategy Committee. . Kementerian Sumber Asli dan Alam Sekitar (2007- to date)
- Member, National Steering Committee on Biodiversity Inventory. Kementerian Sumber Asli dan Alam Sekitar (August 2006- to date)
- Member, Technical Working Group for Sustainable Forestry ITTO Projects in Malaysia (2006 – to date)
- Member. National Heritage Register Committee (Flora dan Fauna), KeKKWA (2006-to

date)

- Member. Technical Working Group on Biodiversity for RM 9, Ministry of Natural Resource and Environment (2004-to date)
- *As hoc* Member, CITES Plants Committee Malaysia (2000 -2002)
- Research Fellow. Institute of Environment and Development (LESTARI) (1997- 2001)
- Member. Malaysian Technical Committee on Biodiversity (1995-1998)
- Resource person. Ensiklopedia Sains & Teknologi Kebangsaan DBP-UTM (Kata masukan Dendrologi) (1994)
- Member, Malaysian National Committee of Plant Genetic Resources (MNCPGR), (1989-1995)
- Head, Scientific Expedition to Wang Mu, Perlis State Park (2000)
- Head, Scientific Expedition to Hutan Simpan Ayer Hitam, Selangor (2000)
- Head, Scientific Expedition to Wang Kelian, Perlis State Park (1999)
- Member. Research and Development Committee Forest Department Peninsular Malaysia (1991-1995)
- Keynote Speaker. 2009. Management of Ayer Hitam Forest Reserve and future challenges. Keynote paper presented at 'Seminar Ekspedisi Saintifik Hutan Simpan Ayer Hitam', Shah Alam, 23-25 November 2009.

c) Peringkat Universiti

- Member. University Agribio Committee (2008)
- Panel Assessor of Research Proposals for University Fundamental Research Grant Scheme for Year 2008
- Panel Assessor of Research Proposals for University Fundamental Research Grant Scheme for Year 2007
- Panel Assessor of Research Proposals for Research University Grant Scheme (RUGS) for Year 2007
- Member. University Putra Natural Resource Network (2007 – to date) (2007)
- Assessor of Research Proposals for e-Scienfund (MOSTI) (Sector: Environmental Science & Forestry for Year 2006.

- Member, University Germplasm Committee (1993)

d) Faculty Level

- Member. Academic Committee (2007 – to date)
- Member. Research Committee (2007 – to date)
- Member. Ayer Hitam Forest committee (2000 – to date)
- Chairman. ISO Laboratory Monitoring (2007 – to date)
- Chairman. Forest Ecology and Biodiversity (FOREBIO) Research (2007 – date)
- Editorial Member. Faculty Research Bulletin (2007 – to date)
- Member. Postgraduate Studies Committee (1997 -2002)
- Coordinator for Postgraduate Studies (Structure C- by coursework) for Faculty of Forestry (1997-2001)
- Editorial Member. Occasional Faculty Research Papers (1991- 1993)
- Chairman. National Essay Competition for Secondary Schools (1991-1994)
- Member. Faculty Social Club (1989-1992)
- Curator of Faculty of Forestry Herbarium, UPM (1990- 2006)

e) Lain-lain Pengiktirafan (Antaraangsa/ Kebangsaan/ Universiti)

| EXTERNAL EXAMINER | Peringkat |
|--|------------------|
| 1. Nurfazliza Kamarul Bahrin. Community structure, composition and distribution of liana in relation to edaphic factors in Pasoh 50-ha Plot, Negeri Sembilan. Faculty of Science and Technology, Universiti Kebangsaan Malaysia (UKM) – 2010 | M.S. |
| 2. Rohani Shahrudin. Community structure, floristic variation and biomass in Taman Rimba Kenong, Pahang. Faculty of Science and Technology, Universiti Kebangsaan Malaysia (UKM) – 2008 | M.S. |
| 3. Mohamad Ruzi b. Abdul Rahman. Leaf anatomy of the genus <i>Dipterocarpus</i> | M.S. |

Gaertn. (Dipterocarpaceae). Faculty of Science and Technology, Universiti Kebangsaan Malaysia (UKM) – 2007

4. Maskur Masdor. Elevational changes of vegetation in Gunung Jerai, Kedah, Malaysia. School of Biological Sciences, Universiti Sains Malaysia (USM) – 2006 M.S.
5. Nurul Nahar Esa. M.Sc. Anatomi daun spesies *Shorea* Roxb. (Dipterocarpaceae) in Malaysia. Faculty of Science and Technology, Universiti Kebangsaan Malaysia (UKM) – 2006 M.S.
6. Noor Pahtiwī Bohari. M.Sc. Ecology and growth performance of *Endospermum diadenum*. Faculty of Science and Technology, Universiti Malaysia Sarawak (UNIMAS) -2005 M.S.
7. Jenne Lajuni. M.Sc. Plant diversity and biomass of Bangi Forest Reserve Institute of Environment and Development (LESTARI), Universiti Kebangsaan (UKM) – 2003 M.S.
8. Saiful Islam. Ph.D. Effects of selective logging on tree species diversity, stand structure and physical environment of tropical hill dipterocarp forest of Peninsular Malaysia. Institute of Environment and Development (LESTARI), Universiti Kebangsaan Malaysia (UKM) – 2002 M.S.

REVIEWER FOR PAPERS IN SCIENTIFIC JOURNALS

1. Japan Society of Tropical Ecology Journal (TROPICS) – 5 papers
2. Journal of Tropical Forest Science- 3 papers
3. Journal of Environmental Biology – 2
4. The Malaysian Forester – 30 papers
5. Malaysian Applied Biology –2 paper
6. Pertanika Journal Tropical Agricultural Science – 27 papers

MEMBERSHIP OF THE FOLLOWING LEARNED SOCIETIES:

1. Malaysian Nature Society (MNS)
2. International Association of Plant Anatomy (IAWA)
1. Ecological Society of Malaysia (Persatuan Ekologi Malaysia)

HAVE CHAIRED AND ORGANIZED INTERNATIONAL AND LOCAL CONFERENCES/ SEMINARS AS FOLLOWS:

1. International Conference of Plants and Environmental Pollution (Kayseri, Turkey, 2009)

2. International Conference on Medicinal Plants (Kuala Lumpur, December 2005)
3. National Seminar on Medicinal Plants (UPM Serdang, 2003)
4. UPM Research and Development Exhibition Committee (UPM Serdang, 2002 and 2003)
5. Seminar on Management and Ecology of Ayer Hitam Forest, Puchong (UPM Serdang, 2000)
6. Seminar on Biodiversity and Conservation of Ayer Hitam Forest, Selangor (1999)
7. International Conference on Multipurpose Tree Species (2002)
8. International Symposium on Taxonomy of Tropical Trees for Genetic Diversity Studies (Indonesia, 1993)

STARTED THE SERIES OF SCIENTIFIC EXPEDITIONS for Forestry Department of Peninsular Malaysia in 1999, and has co-ordinated and led the following scientific expeditions:

1. Scientific Expedition to Wang Kelian, Perlis State Park (1999)
2. Scientific Expedition to Wang Mu, Perlis State Park (2000)
3. Scientific Expedition to Hutan Simpan Ayer Hitam, Selangor (2000)

PARTICIPATED IN MORE THAN 30 SCIENTIFIC EXPEDITIONS in Malaysia since 1992

FOUNDED the Junior Ranger Club Malaysia, launched in Perlis State during the celebration of Malaysia World Forestry Day in 1977.

EXAMINER to Malaysian Examination Board (STPM Biology Paper) -1991

RESOURCE PERSON. Science and Technology Seminar, Pahang

RESOURCE PERSON. Documentary on Taman Negara entitled Natural National Heritage.

FOUNDING MEMBER of Mara Junior Science College (MRSM) Alumni

RESIDENT FELLOW, 4th College Universiti Putra Malaysia (1989-1990)

MEMBER of the National Biodiversity Drafting Committee (1997)

CURRENTLY CONDUCTING THE FOLLOWING ENVIRONMENTAL IMPACT ASSESSMENT (EIA) FOR FORESTED LAND IN THE AREA OF BIODIVERSITY:

1. Assessment of Forest Loss (Flora) in International Islamic University Kuantan Campus (2010)

17. PENYELIAAN

a. DOCTOR OF PHILOSOPHY (PHD) - TELAH BERGRADUAT

| | Candidate/ year of graduation | Project Title | Supervisory Role |
|----|--------------------------------------|---|-------------------------|
| 1. | Gloria Abraham Oanes (2002) | A systematic study on <i>Callicarpa</i> L. (Verbenaceae) in Borneo | Chairman |
| 2. | Affendi Suhaili (2007) | Identification and mapping of tropical tree species using Airborne Imaging System | Member |
| 3. | Agus Hikmat (2005) | Species composition, stand structure and biomass of trees in three Virgin Jungle Reserve, Peninsular Malaysia | Member |
| 4. | Ismail Parlan (2009) | Phenology, habitat specialization and reduction of <i>Gonystylus bancanus</i> (Miq.) Kurz in Pekan Pahang | Member |
| 5. | Evelyn Varquez Bigcas (2003) | Rehabilitation of a degraded tropical lowland forest using three indigenous timber species in Peninsular Malaysia | Member |
| 6. | Bimal Keshari Paudyal (1997) | Nutritional aspects of <i>Acacia mangium</i> Willd. Plantations in Peninsular Malaysia | Member |

1. MASTER OF SCIENCE - TELAH BERGRADUAT

| | Candidate and Year graduated | Project Title | Supervisory Role |
|-----|-------------------------------------|---|-------------------------|
| 1. | Tnah Lee Hong (2008) | DNA typing for identification of Malaysian important timber species for the purpose of forestry forensic | Member |
| 2. | Ridzuan Salleh (2005) | Forest composition and structure of a Montane forest at Cameron Highlands, Malaysia | Chairman |
| 3. | Radhiah Zakaria (2004) | Systematic studies on Guttiferae Juss. And Hypericaceae of Peninsular Malaysia | Chairman |
| 4. | Romeo M. Lomoljo (2003) | Phenology and availability of fruit trees and their influence on the abundance of selected animals in a logged and primary forest of Sg. Lalang, Selangor | Member |
| 5. | Boyd Sun Fatt (2003) | Forest composition, structure and wildlife abundance in mixed-dipterocarp forest of Sungai Lalang, Selangor | Member |
| 6. | Philip Lepun (2002) | Tree species composition and distribution in Ayer Hitam Forest, Puchong, Selangor | Chairman |
| 7. | Ismail Parlan (2001) | Rehabilitation of degraded peat swamp forest in Raja Muda Forest Reserve, Selangor | Member |
| 8. | Chanhsamone Phongoudome (2000) | A systematic study on <i>Vitex Tourn.</i> (Verbenaceae) in Sabah and Sarawak, Malaysia | Chairman |
| 9. | Ahmad Farid Abdul Fuad (2000) | Knowledge and perception of forest conservation in the Forestry Department Headquarters of Peninsular Malaysia | Chairman |
| 10. | Maswar | Effects of different rehabilitation | Member |

| | | | |
|-----|----------------------------------|---|----------|
| | (2000) | methods and soil parameters on the establishment of forest tree seedlings in a degraded forest | |
| 11. | Imam Santoso (2000) | Stumpage appraisal of a peat swamp forest in Selangor | Member |
| 12. | Alona Cuevas Linatoc (1999) | Ecology and Taxonomy of <i>Mangifera</i> species (Anacardiaceae) in the 50-ha plot of Pasoh Forest Reserve, Peninsular Malaysia | Chairman |
| 13. | Mohd. Zaki Abdullah (1999) | Reproductive biology and phenological observation of three rattan species in Peninsular Malaysia | Member |
| 14. | Sebastian Chew (1999) | Forest type classification and inventory in Pulau Tioman using AIRSAR Data | Member |
| 15. | Zulhazman Hamzah (1999) | Assessing and monitoring forest changes Using Landsat TM: a case of Selangor | Member |
| 16. | Nor Rahmat Abdul Jalil (1997) | Analysis of climatic change recorded in the growth rings of tropical trees | Member |

1. PELAJAR SISWAZAH – BELUM BERGRADUAT

| | Candidate | Project Title | Level | Supervisory Role |
|----|----------------------|--|-------|------------------|
| 1. | Radhiah Zakaria | Plant community diversity, biomass and phytosociology of different geological limestone formation forests in Perlis State Park, Malaysia | Ph.D. | Chairman |
| 2. | Sholeh Ghollasi Mood | Floristics of a hill dipterocarp forest in Pangkor Island, Malaysia | Ph.D. | Chairman |
| 3. | Shamsul Khamis | Systematic studies of <i>Litsea</i> in Peninsular Malaysia | Ph.D. | Member |

| | | | | |
|----|---------------------------|---|------|----------|
| 4. | Fatheen Nabila Ghazali | Floristic studies of three riverine vegetation in Langkawi Geopark | M.S. | Chairman |
| 5. | Mohd. Zamakshaury Mustapa | Ecology and Conservation of <i>Aquilaria</i> species in Peninsular Malaysia | M.S. | Chairman |
| 6. | Abdul Hayat Mat Saad | Stand Structure and Diversity of Trees in a Recreational Forest in Langkawi, Kedah | M.S. | Member |
| 7. | Muhammad Hafidz Abdullah | Economic Valuation of Timber Resources in Forest Recreation Area in Kedah | M.S. | Member |
| 8. | Salimah Ahmad | Non-trees Composition and Species Diversity of a Recreational Forest in Langkawi, Kedah | M.S. | Member |

18. PEMERIKSA TESIS SISWAZAH

a) PEMERIKSA LUAR

Peringkat

| | | | |
|----|-------------------------------|--|------|
| 1. | Nurfazliza Kamarul Bahrin. | Community structure, composition and distribution of liana in relation to edaphic factors in Pasoh 50-ha Plot, Negeri Sembilan. Faculty of Science and Technology, Universiti Kebangsaan Malaysia (UKM) – 2010 | M.S. |
| 2. | Rohani Shahrudin. | Community structure, floristic variation and biomass in Taman Rimba Kenong, Pahang. Faculty of Science and Technology, Universiti Kebangsaan Malaysia (UKM) – 2008 | M.S. |
| 3. | Mohamad Ruzi b. Abdul Rahman. | Leaf anatomy of the genus <i>Dipterocarpus</i> Gaertn. (Dipterocarpaceae). Faculty of Science and Technology, Universiti Kebangsaan Malaysia (UKM) – 2007 | M.S. |
| 4. | Maskur Masdor. | Elevational changes of vegetation in Gunung Jerai, Kedah, Malaysia. School of Biological Sciences, Universiti Sains Malaysia (USM) – 2006 | M.S. |
| 5. | Nurul Nahar Esa. | M.Sc. Anatomi daun spesies <i>Shorea</i> Roxb. (Dipterocarpaceae) in Malaysia. Faculty of Science and Technology, Universiti Kebangsaan Malaysia (UKM) – 2006 | M.S. |
| 6. | Noor Pahtiw Bohari. | M.Sc. Ecology and growth performance of <i>Endospermum diadenum</i> . Faculty of Science and Technology, Universiti Malaysia Sarawak (UNIMAS) -2005 | M.S. |

7. Jenne Lajuni. M.Sc. Plant diversity and biomass of Bangi Forest Reserve. M.S. Institute of Environment and Development (LESTARI), Universiti Kebangsaan (UKM) – 2003
8. Saiful Islam. Ph.D. Effects of selective logging on tree species diversity, stand structure and physical environment of tropical hill dipterocarp forest of Peninsular Malaysia. Institute of Environment and Development (LESTARI), Universiti Kebangsaan Malaysia (UKM) – 2002

b) PEMERIKSA DALAMAN

1. Lee Chai Ting. Development of microsatellite markers and genetic diversity assessment of a tropical timber species, *Koompassia malaccensis* (Leguminosae). Faculty of Science, Universiti Putra Malaysia – 2009 Ph.D.
2. Jutta Poetz. Root Endophytes in the genus *Paphiopedilum* in Peninsular Malaysia. Faculty of Science, Universiti Putra Malaysia (UPM) – 2007 M.S.
3. Zahari Ibrahim. Vegetation Associations and site preference of *Eurycoma longifolia* Jack (Simaroubaceae) in Heath Lowland Forest. – Faculty of Forestry, Universiti Putra Malaysia (UPM) – 2005 M.S.
4. Runi Sylvester. Plant associations of Bau Limestones, Sarawak. Faculty of Agriculture, Universiti Putra Malaysia (UPM) – 2005 M.S.
5. Nor Khafizah Masri. A study on forest Encroachment in Kelantan. Faculty of Forestry, Universiti Putra Malaysia (UPM) – 2004 M.S.
6. Mohd. Abdullah Abd. Ghani. The effects of logging activity on woody plant distribution in stream channels. Faculty of Forestry, Universiti Putra Malaysia (UPM) – 2004 M.S.

19. PENERBITAN

BOOKS

a) Antarabangsa

1. **Faridah-Hanum, I. & van der Maesen, L.J.G.** 1997. Plant Resources of South-East Asia No. 11. *Auxiliary Plants*. Backhuys Publishers, Leiden, Netherlands. 389 pp. ISBN 979-8316-00-2

2. **Faridah-Hanum, I.** & Shamsul Khamis. 2005. *A Handbook on the Peat Swamp Flora of Peninsular Malaysia*. Universiti Putra Malaysia Press, Serdang. 251 pp. ISBN 983-41877-4-2

b) Kebangsaan

1. **Faridah-Hanum, I.** 2009. *Ayer Hitam Forest: the green lung of Klang Valley*. Universiti Putra Malaysia Press, Serdang. 105 pp. ISBN 978-967-5026-72-0
2. Roslan Ariffin, Kasim Osman, **Faridah-Hanum, I.**, Zainudin. A. & Latiff, A. 2006. *A Guide-Book to Plants of Perlis* (Suatu Buku Panduan Untuk Perlis). Forestry Department of Perlis. 200 pp. ISBN 983-40653-6-1
3. **Faridah-Hanum, I.** & Shamsul Khamis. 2004. *A Guide to the Common Plants of Ayer Hitam Forest, Selangor, Peninsular Malaysia*. Universiti Putra Malaysia Press, Serdang. 219 pp. ISBN 983-2871-65-4
4. Kasim Osman, **Faridah-Hanum, I.**, Zainudin. A. & Latiff, A. 2002. *A Guide-Book to Medicinal Plants of Perlis*. Forestry Department of Perlis. 139 pp. ISBN 983-40653-3-7

CHAPTERS IN BOOK

a) Antarabangsa

1. **Faridah-Hanum, I.** 1998. *Callerya Endl.* In: Sosef, M.S.M., Hong, L.T. and Prawirohatmodjo, S. (Eds.). *Plant Resources of South-East Asia No. 5 (3). Timber Trees: Lesser known timbers*. Backhuys Publishers, Leiden, The Netherlands. Pp. 127-129. ISBN 979-8316 -00-2
2. **Faridah-Hanum, I.** 1998. *Archidendron F.v. Mueller* In: Sosef, M.S.M., Hong, L.T. and Prawirohatmodjo, S. (Eds.). *Plant Resources of South-East Asia No. 5 (3). Timber Trees: Lesser Known Timbers*. Backhuys Publishers, Leiden, The Netherlands. Pp. 84-87. ISBN 979-8316 -00-2
3. **Faridah-Hanum, I.** 1997. *Trema orientalis* (L.) Blume. In: Faridah Hanum, I. And van der Maesen, L.J.G. (Eds.). *Plant Resources of South-East Asia No. 11. Auxiliary Plants*. Backhuys Publishers, Leiden, The Netherlands. Pp. 253-255. ISBN 979-8316 -00-2
4. Latiff, A. & **Faridah-Hanum, I.** 1997. *Thespesia populnea* (L.) Soland. Ex Correa. In: Faridah Hanum, I. and van der Maesen, L.J.G. (Eds.). *Plant Resources of South-East Asia No. 11. Auxiliary Plants*. Backhuys Publishers, Leiden, The Netherlands. Pp. 251-252. ISBN 979-8316 -00-2
5. **Faridah-Hanum, I.** 2001. A systematic study of the *Ormosia*-group (Leguminosae: Papilionoideae). In: Saw, L.G., Chua, L.S.L. and Khoo, K.C. (Eds.). *Taxonomy: the*

cornerstone of biodiversity. Flora Malesiana Foundation & FRIM., Kuala Lumpur. Pp. 107-121. ISBN 983-2181-16

EDITOR

a) **Antarabangsa**

1. Whiffin, T., **Faridah-Hanum, I.**, Soerianegara, Enriquez, G.L. & Umboh, I. (Eds.). 1993. *Taxonomy of tropical trees for genetic diversity studies*. SEAMEO-BIOTROP Special Publication No. 51. 186pp. ISSN 0125-975

b) **Kebangsaan**

1. **Faridah-Hanum, I.** and Poh Lye Yong (Eds.). 2010. *Proceedings of a National Seminar on Economic Valuation of Forest Goods and Service 2010*, JPSM, Kuala Lumpur, 11-13 December 2009. 200pp. ISBN 978-983-9269-75-3
2. **Faridah-Hanum, I.**, Poh Lye Yong and Tuan Marina, T.I. (Eds.). 2009. *Proceedings of a National Seminar on Economic Valuation of Forest Goods and Service 2007*, JPSM, Kuala Terengganu, 12-14 December 2007. 189pp. ISBN 978-983-9269-73-4
3. Razani Ujang, Koh, H.L., Mohd. Rahim Rani, Naaman Jaafar, **Faridah-Hanum, I.** and Latiff, A. (Eds.). 2009. *Rimba Bandar Bukit Bauk: Terengganu – Pengurusan Hutan, Persekitaran Fizikal dan Kepelbagaian Biologi*. JPSM, Kuala Lumpur. 309pp. ISBN 978-983-9269-74-1
4. Azahar Muda, Mohd. Hamami Sahri, Faridah Q.Z., A.S.Sajap, N.A. Ab. Shukor, Jalil Md. Som and **Faridah-Hanum, I.** (Eds.). 2006. *Proceedings of the International Conference on Medicinal Plants: Sustainable Management and Utilization of Medicinal Plant Resources*, JPSM, Kuala Lumpur, 5-7 December 2005. 407 pp. ISBN 983-9269-45-8
5. Latiff, A., Kasim Osman, Yusoff, A.R. & **Faridah-Hanum, I.** (Eds.). 2002. *Biodiversity and Management of Perlis State Park: Physical, biological and Social Environments of Wang Mu*. Forestry Department of Perlis. 407 pp. ISBN 983-40653- 2-9
6. **Faridah-Hanum, I.** , Kasim Osman & Latiff, A. (Eds.). 2001. *Kepelbagaian Biologi dan Pengurusan Taman Negeri Perlis : Persekitaran Fizikal dan Biologi Wang Kelian (Biodiversity and Management of Perlis State Park: Physical and biological Environments of Wang Kelian)*. Forestry Department of Perlis. 292 pp. ISBN 983-40653– 0-2

CITATION INDEXED JOURNALS (* as corresponding author)

1. Abdul Hayat, M.S., Kamziah Abd Kudus and **Faridah-Hanum, I.**, Awang Noor, A.G. and Nazre, M. 2010. Assessment of Plant Species Diversity at Pasir Tengkorak Forest Reserve, Langkawi Island, Malaysia. *Journal of Agricultural Science* 2(1): 31-38.

2. Saiful Islam, **Faridah-Hanum, I.**, Shukor, M.N. & Latiff, A. 2010. Spatial variation of physical environment and environmental aspect of selective logging: a case study of tropical hill dipterocarp forests of Peninsular Malaysia. *The Malaysian Forester* 73(1): 33-51.
3. Tnah, L.H., Lee, S.L., Ng, K.K.S., Faridah, Q.Z. and **Faridah-Hanum, I.** 2010. Forensic DNA-profiling of tropical timber species in Peninsular Malaysia. *Forest Ecology and Management* 259: 1436-1446.
4. Tnah, L.H., Lee, S.L., Ng, K.K.S., Faridah, Q.Z., **Faridah-Hanum, I.** 2010. Highly variable STR markers of *Neobalanocarpus heimii* (Dipterocarpaceae) for forensic DNA-profiling. *Journal of Tropical Forest Science* 22(2): 214-226.
5. ***Faridah-Hanum, I.**, Mustapa, M.Z., Lepun, P., Tuan Marina, T.I., Nazre, M., Ribka Alan and Mohamed, R. I. 2009. Notes on the Distribution and Ecology of *Aquilaria* Lam. (Thymelaeaceae) in Malaysia. *The Malaysian Forester* 72 (2): 247-259.
6. Nizam, M.S., Ismail, P., Latiff, A., Shamsudin, I. & **Faridah-Hanum, I.** 2009. Diversity of Tree Communities and Its Relationships with Soil Properties in a Peat Swamp Forest in Pahang, Peninsular Malaysia. *Ecology, Ecosystem and Conservation* 15(2): 307-318.
7. Hikmat, A., Latiff, A. and ***Faridah-Hanum, I.** 2009. Biomass and Carbon Storage of Three Virgin Jungle Reserves in Peninsular Malaysia. *The Malaysian Forester* 72 (2): 195-208.
8. Ismail, P., Nizam, M.S., Latiff, A, **Faridah-Hanum, I.** and Shamsudin, I. 2009. Phenological behaviours of *Gonystylus bancanus* (Miq.)Kurz in Pekan Forest Reserve, Pahang, Peninsular Malaysia. *Journal Tropical Forest Science* (Accepted R2009/58).
9. Ismail, P., Nizam, M.S., ***Faridah-Hanum, I.**, Khali Aziz, H., Shamsudin, I., Samsudin, M. & Latiff, A. 2009. Community Structure, Diversity and Biomass of Trees in Two Forest Subtypes of Pekan Forest Reserve, Pahang, Malaysia. *The Malaysian Forester* 72(1): 117-133.
10. Nizam, M.S., Damanhuri, A., Azurawati, M.S., Nor Supardi, M.N., ***Faridah-Hanum, I.** & Latiff, A. 2009. Distribution, Biomass and Dynamics of Burseraceae Trees in the 50-ha Plot at Pasoh Forest Reserve, Negeri Sembilan, Malaysia. *The Malaysian Forester* 72(1): 23-36.
11. ***Faridah-Hanum, I.**, Mustapa, M. Z. & Razali Jaman. 2008. Spore micromorphology and anatomy of the fern genus *Histiopteris* J. Sm. (Dennstaedtiaceae) in Peninsular Malaysia. *International Journal of Botany* 4(2): 236-240.
12. Hikmat, A., ***Faridah-Hanum, I.** & Latiff, A. 2008. Tree Diversity Assessment and Economic Valuation of Three Virgin Jungle Reserves in Peninsular Malaysia. *The Malaysian Forester* 71(1): 47-61.
13. Awang Noor, A.G., ***Faridah-Hanum, I.** & Tuan Marina, T.I. 2008. Relationship between

economic value and species diversity of timber resources in a hill forest in Peninsular Malaysia. *Journal Sustainable Development* 1(2): 17-26.

14. ***Faridah-Hanum, I.**, Philip, L. & Awang Noor, A.G. 2008. Sampling species diversity in a Malaysian rain forest: the case of a logged-over forest. *Pakistan Journal of Botany* 40(4): 1729-1733.
15. Ebil, Y. & **Faridah-Hanum, I.** 2008. Assessing Habitat Suitability for Reintroduction of *Hylobates lar* (Gibbon) in Ayer Hitam Forest Reserve, Selangor, Peninsular Malaysia. *The Malaysian Forester* 71(1): 25-32.
16. ***Faridah-Hanum, I.**, Kamaruzaman, J., Hikmat, A. & Latiff, A. 2007. Rare Tree Species Pattern Diversity in Two Virgin Jungle Reserves in Pahang and Johor, Malaysia. *WSEAS Transactions on Environment and Development* 3(3): 51- 58.
17. Roslan Ariffin, Aldrich Richard, Shaik Md. Noor Alam & ***Faridah-Hanum, I.** 2007. Biodiversity Conservation Model: The Case of Perlis State Park. *The Malaysian Forester* 70(2): 167-176.
18. Radhiah Zakaria, Choong,C.Y. & ***Faridah-Hanum, I.** 2007. Systematic Study on Guttiferae Juss. of Peninsular Malaysia based on Plastid Sequences. *The Japan Society of Tropical Ecology TROPICS* 16(2):141- 150.
19. Linatoc, A.C., ***Faridah-Hanum, I.**, Sahri, M.H., Ab.Shukor, N.A., Mohd. Zaki, H. & Latiff, A. 2006. Phylogenetic Relationship of *Mangifera* L. in the Malay Peninsula: Evidence from Morphology, Anatomy and Chloroplast DNA. *The Malaysian Forester* 69(1): 85-106.
20. ***Faridah-Hanum, I.** & Philip, L. 2006. Tree Species Composition and Stand Attributes of Ayer Hitam Forest Reserve, Selangor in Peninsular Malaysia. *The Malaysian Forester* 69(2): 191-224.
21. Mohd. Zaki Hamzah, **Faridah-Hanum, I.**, Mohamad Azani Alias, Nik Muhamad Majid, Mohd Kamil Yusoff & Kazue Fujiwara. 2004. Recovery of Lowland Dipterocarp Forests under the Malayan Uniform System. *The Japan Society of Tropical Ecology TROPICS* 14(1): 103- 109.
22. Affendi Suhaili, **Faridah-Hanum, I.**, Ainuddin, N.A., Awang Noor, A.G., Shafri, H.Z.M. & Sri Rahayu. 2006. Spectral Seperability of Tropical Tree Taxa Based on Leaf Morphological and Anatomical Characteristics. *The Malaysian Forester* 69(1): 75-84.
23. ***Faridah-Hanum, I.**, Ibrahim, A.Z., Shamsul Khamis, Nazre, M., Lepun, P., Rusea, G., Lajuni, J.J. & Latiff, A. 2001. An Annotated Checklist of Higher Plants in Ayer Hitam Forest Reserve, Puchong, Selangor. *Pertanika Journal Tropical Agricultural Science* 24(1): 63-78.
24. Nizam, M.S., Suhaili, R., Latiff, A. & **Faridah-Hanum, I.** 2006. Community structure of trees in Lesong Virgin Jungle Reserve, Pahang, Malaysia. *The Malaysian Forester*

69(2):163- 181.

25. Mohd Zaki Hamzah, Arifin, A., Ngumbang, S., Mohamad Azani, A., **Faridah-Hanum, I.**, Yusoff, M.K. & Nik Muhamad Majid. 2006. Comparison of vegetation composition in rehabilitated area and secondary forest in Pasoh Forest Reserve, Negeri Sembilan. *The Malaysian Forester* 69(2): 145-154.
26. ***Faridah-Hanum, I.**, Rahim, A., Lepun, P., Edham, I. & Nazre, M. 2001. Tree Taxa Inventory at Ayer Hitam Forest Base-Camp. 2001. *Pertanika Journal Tropical Agricultural Science* 24(1): 29-34.
27. Lepun, P., Edham, I. & ***Faridah-Hanum, I.** 2001. A Preliminary Study on the Distribution of Fruit Tree Taxa at Ayer Hitam Forest Reserve, Selangor. *Pertanika Journal Tropical Agricultural Science* 24(1): 11-18.
28. **Faridah-Hanum, I.** 1999. Plant Diversity and Conservation Value of Ayer Hitam Forest, Selangor, Peninsular Malaysia. *Pertanika Journal Tropical Agricultural Science* 22(2): 73 – 83.
29. Rusea, G., Bibian, M.D., Soh, W.K., Haja Maideen, Nazre, M. & **Faridah-Hanum, I.** 2001. Notes on the Herbaceous Plants of Ayer Hitam Forest Reserve, Puchong, Selangor. *Pertanika Journal Tropical Agricultural Science* 24(1): 35-38.
30. Latiff, A., Mat – Salleh, K., **Faridah-Hanum, I.** & Ibrahim. A. Z. . 2000. Preliminary Annotated Checklist of Seed Plants from Belum Forest Reserve, Perak, Peninsular Malaysia. *Malayan Nature Journal* 54 (3): 151 – 170.
31. ***Faridah-Hanum, I.**, Miskon Simin & Awang Noor Abdul Ghani. 1999. Tree Species Diversity and Economic Value of a Watershed Forest in Ulu Muda Forest Reserve, Kedah. *Pertanika Journal Tropical Agricultural Science* 22(1): 63 – 68.
32. ***Faridah-Hanum, I.** & Nurulhuda Hamzah. 1999. The Use of Medicinal Plant Species by the Temuan Tribe of Ayer Hitam Forest, Selangor, Peninsular Malaysia. *Pertanika Journal Tropical Agricultural Science* 22(2): 85 – 94.
33. Latiff, A., **Faridah-Hanum, I.**, Ibrahim, A. Z., Goh, M.W.K., Loo, A.H.B. & Tan, H. T. W. 1999. On the Vegetation and Flora of Pulau Tioman, Peninsular Malaysia. *Raffles Bulletin of Zoology Supplement* 6: 11 – 72.
34. Fadzillah, N. M. & **Faridah-Hanum, I.** 1999. Antioxidative Responses of Tree Species in Ayer Hitam Forest, Peninsular Malaysia. *Pertanika Journal Tropical Agricultural Science* 22(2): 141 – 146.
35. Mohd. Shahwahid, H.O., Awang Noor, A.G., Rusli, M., Shukri, M., **Faridah-Hanum, I.** & Mohamed Zakaria, H. 1998. Valuing the recreational benefits of the Ayer Hitam Forest Reserve, Selangor. *The Malaysian Forester* 61: 38-48.

36. ***Faridah-Hanum, I.** 1996. Morphological variation of *Pangium edule* Reinw. Fruits in Malaysia. *Gardens Bulletin Sing.* 48 (1&2): 189 – 194.
37. Awang Noor Abd. Ghani, Mohd. Shahwahid Hj. Othman, Rusli Mohd., Shukri Mohd, **Faridah-Hanum, I.** & Mohamed Zakaria, H. 1999. Economic Valuation of Forest Goods and Services of Ayer Hitam Forest, Puchong, Selangor. *Pertanika Journal Tropical Agricultural Science* 22(2): 147 – 160.
38. Awang Noor Abd. Ghani, Paiman Bawon, Mohd. Shahwahid Hj. Othman, Rusli Mohd., Shukri Mohd, **Faridah-Hanum, I.** & Mohamed Zakaria, H. 1999. Direct Uses of Ayer Hitam Forest, Puchong, Selangor. *Pertanika Journal Tropical Agricultural Science* 22(2): 203 – 206.
39. ***Faridah-Hanum, I.,** Pius, P. & Awang Noor Abdul Ghani. 1999. Economic Valuation of Tree Species Diversity in Ayer Hitam Forest, Selangor, Peninsular Malaysia. *Pertanika Journal Tropical Agricultural Science* 22(2): 167 – 170.
- 40.. Rusli Mohd., Awang Noor Abdul Ghani, **Faridah-Hanum, I.,** Mohd. Zakaria Hussin & Shukri Mohd. 1999. Managing Research Forests – a preliminary proposal. *Pertanika Journal Tropical Agricultural Science* 22(2): 209-211.
41. Mohd. Hamami Sahri, **Faridah-Hanum, I.** & Nor Aini Ab. Shukor. 1993. Anatomy of *Acacia mangium* grown in Malaysia. *IAWA Journal* 14(3): 245-251.
42. ***Faridah-Hanum, I.** 1992. Some Tropical Pioneering Wood Species for Forest Plantations. *IAWA Journal* 13(3): 244-245.
43. Yazid, A.M., Sipat, A., Lajis, M.N. & **Faridah-Hanum, I.** 1992. Coagulation of Milk using *Streblus asper* (Kesinai). *Scienza E Tecnica Lattier Casearia Journal* 43(1): 37-43.
44. ***Faridah-Hanum, I.** 1991. Anatomi batang dan petiol *Gnetum* L. di Semenanjung Malaysia (Anatomy of stem and petiole of *Gnetum* L. in Peninsular Malaysia). *Malays. Appl. Biol.* 20(1): 65-85.
45. ***Faridah-Hanum, I.** 1990. Disjunction as exemplified by the *Ormosia*-group Polhill (Papilionoideae). *The Malaysian Forester* 53(3): 91-115.

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a) Antarabangsa

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