

## Curriculum Vitae



### Personal information

First name(s) / Surname(s) **Ehsan Karimi**  
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Nationality IRANIAN  
Date of birth 11 MARCH 1981  
Gender Male

### Education and training

Dates	2015-NOW
Title of qualification awarded	<b>Associate Professor</b>
Name and type of organisation	Islamic Azad University of Mashhad
Dates	2012- 2015
Title of qualification awarded	<b>Post-Doctoral Fellow</b>
Name and type of organisation	University Putra Malaysia- Malaysia
Dates	2007-2011
Title of qualification awarded	<b>PhD degree in Plant biotechnology</b> (CGPA 3.97 of 4)
Main issues/Occupational skills awarded	Knowledge in different aspects such as plant secondary metabolite, Plant tissue and cell culture, functional bioactive compounds and their beneficial biological activities for human health, Anticancer, Antioxidant, Anti-Microbial and Anti Inflammatory Activities. Thesis title "Phytochemical Analyses and Biological Activities of Different Parts of Three Varieties of <i>Labisia pumila</i> Benth."
Name and type of organisation	University Putra Malaysia- Malaysia
Dates	2004-2006
Title of qualification awarded	<b>Master of Science in Plant Biology (physiology)</b> (CGPA 19.35 of 20)
Main issues/Occupational skills awarded	Knowledge of aspects regarding to Enzyme activity under stress, Hydroponics' Culture, protein and carbohydrate determination Thesis title: The potential of the glauconitic sandstone as a Potassium fertilizer for olive plants.
Name and type of organisation	Gorgan university of Agricultural Sciences and Natural Resources, Iran
Dates	2001-2004
Title of qualification awarded	<b>Bachelor of Science in Plant biology</b> (CGPA 15.65 of 20)
Main issues/Occupational skills awarded	Knowledge of aspects regarding to plant science, Plant tissue culture

Name and type of organisation	Gorgan university of Agricultural Sciences and Natural Resources, Iran									
<b>Training, Workshop</b>	<ul style="list-style-type: none"> <li>• Workshop on Herbal Processing and Product Formulation held at Institute of Bioproduct Development, UTM, Malaysia on 16-18 October 2012</li> <li>• Workshop on Cell Division and Cancer Biology held at HKU-Pasteur Research Centre, Hong Kong on 15-27 April 2012</li> <li>• Workshop on Robust Phylogenetic Tree from DNA Sequence held at UPM, Kuala Lumpur, Malaysia on 22 June 2011</li> <li>• Workshop on Animal Cell Culture, organized by Institute of Bioscience, University Putra Malaysia, 21 – 23th June 2010.</li> <li>• Workshop on Mutation induction using chronic irradiation with gamma greenhouse held at Malaysian Nuclear Agency on 3<sup>rd</sup> – 7<sup>th</sup> august 2009</li> <li>• Workshop on Technique and skill improvement in using the ‘integrated’ SAS and EXCEL packages in data handling, statistical analysis, and the analysis output and presentation, organized by Graduate Studies, University Putra Malaysia, 1st – 2nd June 2009.</li> <li>• Workshop on DNA Markers, From Phenotype to Genotype, organized by Faculty of Science, University Putra Malaysia. February 2009.</li> <li>• Practical and Introduction Course to the Cultivation of Mushroom, organized by Assoc. Prof. Dr. Mohd Noor Abdul Wahab, Faculty of Biotechnology and Biomolecular Science, University Putra Malaysia, 6th April 2009.</li> <li>• Workshop on Ethics and Legal Issues in Journal Publications, organized by School of Graduate Studies, University Putra Malaysia, 29th May 2009.</li> <li>• Workshop on Journal Writing Technique, organized by Institute of Bioscience, University Putra Malaysia, 7th May 2009.</li> <li>• Workshop on handling and application of molecular genetic software, organized by Iranian students association Malaysia (ISAM), University Putra Malaysia, 19th-20th Dec. 2009.</li> </ul>									
<b>Personal skills and competences</b>										
Mother tongue(s)	<b>Persian</b>									
Other language(s)										
Self-assessment										
<i>European level</i> (*)										
<b>English</b>										
	<b>Understanding</b>		<b>Speaking</b>				<b>Writing</b>			
	Listening		Reading		Spoken interaction		Spoken production			
	A2	Advance	B2	Intermediate	A2	Advance	A2	Advance	A2	Advance
Social skills and competences	<ul style="list-style-type: none"> <li>• Team spirit.</li> <li>• Good ability to adapt to multicultural environments, gained through experience.</li> <li>• Good communication skills, gains through experience.</li> </ul>									
Organisational skills and competences	<ul style="list-style-type: none"> <li>• Leadership</li> <li>• Good sense of organization</li> </ul>									

**Technical skills and competences**

- High Performance Liquid Chromatography (HPLC)
- Gas Chromatography (GC)
- Plant Tissue Culture and Cell Culture
- UV/Visible spectrophotometer

**Soft skills and competences**

- Plant Physiology and Ecophysiology
- Plant Secondary Metabolite Isolation
- Anti-Cancer Activity
- Anti-Inflammatory Activity
- Anti-Microbial Activity (Fungi and Bacteria) Determination
- Antioxidant Activity, Phenolic and Flavonoid Determination in Food and Feed Material
- Enzyme Activity Determination

**Computer skills and competences**

- Microsoft office (word, excel, power points)
- Statistical Analysis Software (SAS)
- Graphpad Prism Software (Biostatistics)
- Networking/Internet

**Other skills and competences**

Sport activities: ping-pong, football, swimming.

**Additional information**

**Membership**

- Active member in Scientific Society of Biology
- Honor Student in the Academic and Research Activity
- The member of table tennis team of Putra University Malaysia, 2009-2011.

- **Karimi, E.** Mehraban joubani, P. Ghorbani Nohooji, M. Antibacterial and Antioxidant Potential of Methanolic Leave Extract of *Buxus Hyrcana*. 7<sup>th</sup> National Congress on Medicinal Plants. 12-14 May 2018, Shiraz, Iran.
- Mehraban joubani, P. **Karimi, E.** Ghorbani Nohooji, M. Abdolzadeh, A. Evaluation of Phytochemical Essential Oils and Antioxidant Activity in *Froriepia Subpinnata* as Local Herb. 7<sup>th</sup> National Congress on Medicinal Plants. 12-14 May 2018, Shiraz, Iran.
- Oskoueian, E. **Karimi, E.** Ebrahimi M. Suppressive Effects of Phenolic-enriched Fraction from Pistachio Hulls on the Expression of Inducible Pro-Inflammatory Genes in Murine Macrophages. 2 international and 10 national Biotechnology Congress. 29 -30 August 2017, Karaj, Iran.
- **Karimi, E.** Mehraban joubani, P. Ghorbani Nohooji, M. Total Phenolic and Flavonoid Content and Their Antioxidant Potential in Different Arial Parts of *Galanthus Transcaucasicus*. 6<sup>th</sup> National Congress on Medicinal Plants. 9-10 May 2017, Tehran, Iran.
- **Karimi, E.** Ghorbani Nohooji, M. Habibi, M. Mehrafarin, A. Khalighi-Sigaroodi F. A Comparitive Study of Antioxidant Acticity in Different Extracts of *Clematis Ispahanica*. 6<sup>th</sup> National Congress on Medicinal Plants. 9-10 May 2017, Tehran, Iran.
- **Karimi, E.** Ghorbani Nohooji, M. Habibi, M. Mehrafarin, A. Khalighi-Sigaroodi F. Evaluation of Extraction Solvents on Total Phenolic and Flavonoid Content from *Clematis Orientalis*. 6<sup>th</sup> National Congress on Medicinal Plants. 9-10 May 2017, Tehran, Iran.
- Najji, Sh, **Karimi, E.** Hommayoni-Tabrizi, M. Iranshahi, M. The antioxidant and anticancer potential of ferutinin isolated from the roots of *Ferula ovina*. First International Congress of Nutrition. 6-8 September, 2017. Mashhad, Iran.
- Sajjadi, M, **Karimi, E.** Nemati, A. Iranshahi, M. Ferric Reducing Ability and Cytotoxic Activity of Galbanic acid. First International Congress of Nutrition. 6-8 September, 2017. Mashhad, Iran.
- **Karimi, E.** Oskoueian, E. Karimi, A. Hommayoni-Tabrizi, M. Phytoconstituents and Anticancer Potential of wild *Achillea Millefolium* L. Native to Khorasan Razavi, Iran. 2nd International Nastaran Cancer Symposium 2016. 28-29 September, 2016. Mashhad, Iran.
- **Karimi, E.** Oskoueian, E. Karimi, A. Hommayoni-Tabrizi, M. Bioactive Phytochemicals, Antioxidant and Anti-Cancer Potential of Hulls from Pistachio Grown in Khorasan Razavi, Iran. 2nd International Nastaran Cancer Symposium 2016. 28-29 September, 2016. Mashhad, Iran.
- **Karimi, E.** Oskoueian, E. Karimi, A. Hommayoni-Tabrizi, M. In Vitro Antioxidant and Anticancer Activities of *Borago Officinalis* L. Flower. First International Nastaran Cancer Symposium 2015. 28-29 September, 2016. Mashhad, Iran.

- **Karimi, E.** and HZE, Jaafar. Response of CO<sub>2</sub> Enrichment on Phytochemical Screening, Fatty acid Content and Their Antioxidant Activity on *Labisia pumila* var. *alata*. International Conference of Plant Physiology 2014 (ICPP 2014). 26-28 August 2014, Bali, Indonesia.
- Sima Taheri, Thohirah Lee Abdullah, and **Ehsan Karimi**. 2014. Bioactive compounds profiling and their antioxidant properties in the leaves of *Curcuma alismatifolia* (Zingiberaceae). International Conference of Plant Physiology 2014 (ICPP 2014). 26-28 August 2014, Bali, Indonesia.
- **Karimi, E.** and HZE, Jaafar. Profiling of bioactive compounds in the leaves, stem and root of Malaysian medicinal herb *Labisia paucifolia*. International food safety conference, 2-3 December 2013, Kuala Lumpur, Malaysia.
- **Karimi, E.** and HZE, Jaafar. The application of ISSR-PCR to determine the genetic relationship among *Labisia pumila* (Myrsinaceae) species. International conference on crop improvement issues and prospects for biotechnology, 25-26 November 2013, Kuala Lumpur, Malaysia.
- **Karimi, E.** and HZE, Jaafar. Anticancer activity of the water extract of the roots from three varieties of *Labisia pumila* Benth. International conference on natural product, 11-12 September 2013, Mashhad, Iran.
- Oskoueian, E., **Karimi, E.** and Oskoueian, A. Pharmacological screening of *Zataria Multiflora* Boiss leaves extract. International conference on natural product, 11-12 September 2013, Mashhad, Iran.
- **Karimi, E.**, HZE, Jaafar., S Ahmad, A, Rahmat and M Abdul Aziz. Antimicrobial screening of the leaf, stem and root extracts of three varieties of *Labisia pumila* Benth. 23<sup>rd</sup> Malaysian Society of Plant Physiology Conference, 18-20 December 2012, Bayview Hotel, Langkawi, Malaysia
- **Karimi, E.** and HZE, Jaafar. Bioactive compounds and anticancer activities of leaves extract from three varieties of *Labisia pumila* Benth. International Agriculture Congress. 4-6 September 2012, Marriott Hotel, Putrajaya, Malaysia.
- **Karimi, E.**, HZE, Jaafar., S Ahmad, A Rahmat and M Abdul Aziz. Comparison of Antioxidant activity, Phenolic and Flavonoid contents of ethyl acetate extracts of two varieties of *L. pumila* Benth. obtained by different extraction methods. International Conference on Natural Products Metabolomics. 14-16 November 2011, Palm Garden Hotel, IOI Resort Putrajaya, Malaysia
- **Karimi, E.**, HZE, Jaafar., S Ahmad, A Rahmat and M Abdul Aziz. Analyses of Some Phenolic and Flavonoid Compounds Using HPLC in Microwave Obtained Extracts of Three Varieties of *Labisia pumila* Benth. 22<sup>nd</sup> Malaysian Society of Plant Physiology Conference, 20-23 November 2011, Johor, Malaysia.
- **Karimi, E.**, HZE Jaafar. Phytochemical contents, Antifungal and Antioxidant Activities of aqueous Extract from three varieties of *Labisia pumila* Benth. International conference on applied biology, 1-2 September 2011, Mashhad, Iran.
- Oskoueian, A., Sadrabadi Haghghi, R., Oskoueian, E., **Karimi, E.**, khaiat moghadam, M., Nazeran, H. Study of the amount of phenolic and flavonoid as germination inhibitors in stratification stages of *Prunus mahalab* .L. Second national conference on seed science and technology, organized by faculty of agriculture, Azad University of Mashhad, Iran, 26-27th October 2011.
- **Karimi, E.**, HZE Jaafar. Different light intensities effect on total phenolic and flavonoids content and antioxidant activities in leaf of 3 varieties of *Labisia pumila* Benth. International conference on food security under changing climate, 6-7 December 2010, ParkRoyal Hotel, Penang, Malaysia.

- **Karimi, E.**, E. Oskoueian, R. Hendra, H. Z.E., Jaafar. Isoflavonoid, Flavonoid and Phenolic Compounds of Common Protein Supplements in Animal Feed. The 14th Animal Science Congress of the Asian-Australasian Association of Animal Production Societies, 23-27 August 2010, National Pingtung University of Science and Technology (NPUST), Pingtung, Taiwan.
- **Karimi, E.**, HZE Jaafar, S Ahmad. Anti-inflammatory activities of ethyl acetate extract from the leaves of three varieties of *Labisia pumila* Benth..Uk- Malaysia Symposium on Drug Discovery and Development for Cancer 24-25 February 2010, Grand Dorsett Hotel Subang, Malaysia.
- **Karimi, E.**, HZE Jaafar, S Ahmad, A Rahmat and M Abdul Aziz. Antibacterial and Antioxidant Activities of Methanol Extract from 3 varieties of *labisia pumila* leaf. International conference on food security during challenging times, 5-7 July 2010, Malaysia.
- **Karimi, E.**, HZE Jaafar, MH Ibrahim, S Ahmad, A Rahmat and M Abdul Aziz. Antioxidant activity and phenolic contents of leaf stem and root extracts of a medicinal Malaysian herb of *Labisia pumila* var. *Lanceolata*. Agriculture Congress. Kuala Lumpur, Malaysia, 2009.
- **Karimi, E.**, E. Oskoueian, R. Hendra, H. Z.E., Jaafar, Solid state fermentation effects on pistachio hulls antioxidant activities, The 3<sup>rd</sup> international conference on fermentation technology for value added agriculture products, Khon kaen, Thailand August 26<sup>th</sup> – 28<sup>th</sup> 2009.
- **Karimi, E.**, E. Oskoueian, R. Hendra, H. Z.E., Jaafar, Antioxidant activity evaluation of *crocus sativus* L. (Saffron), 2<sup>nd</sup> International Conference on Biotechnology for the Wellness Industry. Putra Word Trade Centre, Kuala Lumpur, Malaysia, 2009.
- Oskoueian, E., R. Hendra, **Karimi, E.** solid state fermentation application to improve the agricultural by-products quality-an overview. 2<sup>nd</sup> International Conference on Biotechnology for the Wellness Industry. Putra Word Trade Centre, Kuala Lumpur, Malaysia, 2009.
- **Karimi, E.**, E. Oskoueian, R. Hendra, H. Z.E., Jaafar, Antioxidant activities and total phenolic compounds of two common medicinal plants in iran, 19th Malaysian Society of Plant Physiology Conference, Penang, Malaysia, 2008.
- Oskoueian, E., Hendra, R., and **Karimi, E.** 2008. Antioxidant activity and total phenolic contents of *Citrus aurantium* bloom extract. 10th of Malaysian Society of Applied Biology. Serawak Kuching. Abstract p.87.
- **Karimi, E.**, Abdol zadeh, A., and Sadeghipour, H. 2005. Study the Use of Nature-Friendly Fertilizers for Sustainable Food Security on Olive plants in 16<sup>th</sup> National Congress of Food Industry Gorgan, Iran.

- Mahmoodi P, Rezayi M, Rasouli E, Avan A, Gholami M, Mobarhan, Karimi E. (2020). Early-stage cervical cancer diagnosis based on an ultra-sensitive electrochemical DNA nanobiosensor for HPV-18 detection in real samples. *Journal of Nanobiotechnology* 18 (1), 1-12
- Zarei M, Karimi E, Oskoueian E, Es-Haghi A, Yazdi MET (2020). Comparative Study on the Biological Effects of Sodium Citrate-Based and Apigenin-Based Synthesized Silver Nanoparticles. *Nutrition and Cancer*, 1-9.
- Beyrami M, Karimi E, Oskoueian E. (2020). Synthesized chrysin-loaded nanoliposomes improves cadmium-induced toxicity in mice. *Environmental Science and Pollution Research*, 1-9.
- Rahmani F, Karimi E, Oskoueian E. (2020). Synthesis and characterisation of chitosan-encapsulated genistein: its anti-proliferative and anti-angiogenic activities. *Journal of Microencapsulation* 37 (4), 305-313
- Navaei Shoorvarzi S, Shahraki F, Shafaei N, Karimi E, Oskoueian E. (2020). *Citrus aurantium* L. bloom essential oil nanoemulsion: Synthesis, characterization, cytotoxicity, and its potential health impacts on mice. *Journal of Food Biochemistry* 44 (5), e13181
- Ravanfar SA, Karimi E, Mehrabanjoubani P, Ebrahimi M. (2020). Enhancement of phenolic and flavonoids compounds, antioxidant and cytotoxic effects in regenerated red cabbage by application of Zeatin. *Natural Product Research* 34 (6), 898-902.
- Javanshir A, Karimi E, Maragheh AD, Tabrizi MH. (2020). The antioxidant and anticancer potential of *Ricinus communis* L. essential oil nanoemulsions. *Journal of Food Measurement and Characterization*, 1-10
- Ghasem Rahimi Kalateh Shah Mohammad, Ehsan Karimi, Ehsan Oskoueian, Masoud Homayouni-Tabrizi. (2020). Anticancer properties of green-synthesised zinc oxide nanoparticles using *Hyssopus officinalis* extract on prostate carcinoma cells and its effects on testicular damage and spermatogenesis in Balb/C mice. *Andrologia* 52 (1), e13450
- Oskoueian E, Karimi E, Noura R, Ebrahimi M, Shafaei N, Karimi E. (2020). Nanoliposomes encapsulation of enriched phenolic fraction from pistachio hulls and its antioxidant, anti-inflammatory, and anti-melanogenic activities. *Journal of Microencapsulation* 37 (1), 1-13
- E Charmforoshan, E Karimi, E Oskoueian, A Es-Haghi, M Iranshahi (2019). Inhibition of human breast cancer cells (MCF-7 cell line) growth via cell proliferation, migration, and angiogenesis by auraptene of *Ferula szowitsiana* root extract. *Journal of Food Measurement and Characterization* 13 (4), 2644-2653
- Sajjadi M, Karimi E, Oskoueian E, Iranshahi M, Neamati A. (2019) Galbanic acid: Induced antiproliferation in estrogen receptor-negative breast cancer cells and enhanced cellular redox state in the human dermal fibroblasts. *Journal of Biochemical and Molecular Toxicology* 33 (11), e22402
- Rahimi Kalateh Shah Mohammad G, Seyedi SMR, Karimi E (2019). The cytotoxic properties of zinc oxide nanoparticles on the rat liver and spleen, and its anticancer impacts on human liver cancer cell lines. *Journal of Biochemical and Molecular Toxicology* 33 (7), e22324
- Karimi E, Mehrabanjoubani P, Es-Haghi A, Chamani J. (2019) Phenolic Compounds of Endemic Buxus Plants in Caspian Hyrcanian Forest (*Buxus Hyrcana* Pojark) and Their Biological Activities. *Pharmaceutical Chemistry Journal* 53 (8), 741-747

- Homayouni Tabrizi, M **Karimi, E (2018)**. Silver–palm pollen nanocomposite exhibits antiproliferative, antioxidant, and proapoptotic properties on MCF-7 breast cancer cells. *Research on Chemical Intermediates*
- Vafaei, A., Bin Mohamad, J., **Karimi, E. (2018)**. HPLC profiling of phenolics and flavonoids of *Adonidia merrillii* fruits and their antioxidant and cytotoxic properties. *Natural Product Research*, (1-6).
- Ghorbani, P., Namvar, F., Homayouni-Tabrizi, M., Soltani, M., **Karimi, E., Yaghmaei, P. (2018)**. Apoptotic efficacy and antiproliferative potential of silver nanoparticles synthesized from aqueous extract of sumac (*Rhus coriaria* L.). *IET Nanobiotechnology*, 1-4.
- **Karimi, E.**, Ghorbani Nohooji, M., Habibi, M, Ebrahimi, M., Mehrafarin, A., Khalighi-Sigaroodi, F. **(2017)**. Antioxidant potential assessment of phenolic and flavonoid rich fractions of *Clematis orientalis* and *Clematis ispanhanica* (Ranunculaceae). *Natural Product Research*, (1-6).
- **Karimi, E.**, Oskoueian, E., Karimi, A., Noura, R., Ebrahimi, M. **(2017)**. *Borago officinalis* L. flower: a comprehensive study on bioactive compounds and its health-promoting properties. *Food Measure* 12: 1-15
- **Karimi, E.**, Mehrabanjoubani, P., Homayouni-Tabrizi, M., Abdolzadeh, A., Soltani, M. **(2017)**. Phytochemical evaluation, antioxidant properties and antibacterial activity of Iranian medicinal herb *Galanthus transcaucasicus* Fomin. *Food Measure* 12:433–440.
- **Karimi, E.**, Jaafar, HZE., Ghasemzadeh A. **(2016)**. Chemical composition, antioxidant and anticancer potential of *Labisia pumila* variety *alata* under CO<sub>2</sub> enrichment. *Wageningen Journal of Life Sciences* 78: 85-91
- Azadi Gonbad, R., Afzan, A., **Karimi, E.**, Sinniah, UR., Swamy. MK. **(2015)**. Phytoconstituents and antioxidant properties among commercial tea (*Camellia sinensis* L.) clones of Iran. *Electronic Journal of Biotechnology* 18(6): 433-438.
- Oskoueian, E., Abdullah, N., Zulkifli, I., Ebrahimi, M., **Karimi, E.**, Goh, YM., Oskoueian, A., Shakeri, M. **(2015)**. Cytoprotective effect of palm kernel cake phenolics against aflatoxin B1-induced cell damage and its underlying mechanism of action. *BMC complementary and alternative medicine* 15(1): 392.
- **Karimi, E.**, Jaafar, H.Z.E., Ghasemzadeh, A. and Ebrahimi, M. **(2015)** Fatty acid composition, antioxidant and antibacterial properties of the microwave aqueous extract of three varieties of *Labisia pumila* Benth. *Biological Research* 48 (1): 1-9.
- **Karimi, E.**, Jaafar, H.Z.E., Taheri, S and Azadi, R. **(2014)** Genetic relationship among *Labisia pumila* (Myrsinaceae) species based on ISSR-PCR. *Genetic and Molecular Research* 13 (2): 3301-3309.
- Taheri, S, Abdullah, T.L., Abdullah NAP., Ahmad, Z., **Karimi, E.** and Shabanimofradi, M.R. **(2014)**. Assessing the genetic relationships of *Curcuma alismatifolia* varieties using simple sequence repeat markers. *Genetic and Molecular Research* 13 (3): 7339-7346.
- Ghasemzadeh, A., Jaafar, H.Z.E., **Karimi, E.**, Ashkani, S. **(2014)**. Changes in Nutritional Metabolites of Young Ginger (*Zingiber officinale* Roscoe) in Response to Elevated Carbon Dioxide. *Molecules*, 19(10), 16693-16706.
- Ghasemzadeh, A., Jaafar, H.Z.E., **Karimi, E.**, Rahmat, A. **(2014)**. Optimization of ultrasound-assisted extraction of flavonoid compounds and their pharmaceutical activity from curry leaf (*Murraya koenigii* L.) using response surface methodology. *BMC Complementary and Alternative Medicine*, 14, 318.
- Taheri, S, Abdullah, T.L., **Karimi, E.**, Oskoueian, E., and Ebrahimi, M. **(2014)** Antioxidant Capacities and Total Phenolic Contents Enhancement with Acute Gamma Irradiation in *Curcuma alismatifolia* (Zingiberaceae) Leaves. *International Journal of Molecular Science* 15: 13077-13090.



- **Karimi, E.**, Mehrabanjoubani, P., Oskoueian, E., Jaafar, H.Z.E. and Abdolzadeh, A. (2014) Identification and Quantification of phenolic and flavonoid components in straw and seed husk of some rice varieties (*Oryza sativa* L.) and their antioxidant properties. *Journal of the Science of Food and Agriculture* 94(11) 2324–2330.
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- **Karimi E.**, Jaafar, H.Z.E, Ibrahim H., and Ghasemzadeh, A. (2013). The phytochemical screening and antioxidant activity assessment of the leaf, stem and root of *Labisia paucifolia*. *Australian Journal of Crop Science*. 7(2):276-280.
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- **Karimi. E.**, Jaafar, H.Z.E. (2013). Antifungal, Anti-inflammatory and Cytotoxicity activities of three varieties of *Labisia pumila* Benth. from microwave obtained extracts. *BMC Complementary and Alternative Medicine*. 13(20): 1-10.
- **Karimi, E.**, Jaafar, H.Z.E., Ibrahim, H. and Ghasemzadeh, A. (2013). Light intensity effects on level and antioxidant activity of flavonoid and phenolic compounds in leaves, stems and roots of three varieties of *Labisia pumila* Benth.. *Australian Journal of Crop Science*. 7(7), 1016-1023.
- Ghasemzadeh, A., Jaafar, H.Z.E., **Karimi, E.**, Ibrahim, M.H. (2012). Combined effect of CO<sub>2</sub> enrichment and foliar application of salicylic acid on the production and antioxidant activities of anthocyanin, flavonoids and isoflavonoids from ginger. *BMC Complementary and Alternative Medicine*. 1: 229.
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- **Karimi, E.** Jaafar, H and Ahmad S. Phytochemical Analysis and Antimicrobial Activities of Methanolic Extracts of Leaf, Stem and Root from Different Varieties of *Labisia pumila* Benth. *Molecules*. 2011, 16, 4438-4450.

- **Karimi E** and Jaafar H.Z.E. HPLC and GC-MS Determination of Bioactive Compounds in Microwave Obtained Extracts of Three Varieties of *Labisia pumila* Benth.. *Molecules*. **2011**, 16, 6791-6805.
- Oskoueian E, Abdullah N, Hendra R, and **Karimi E**. Bioactive Compounds, Antioxidant, Xanthine Oxidase Inhibitory, Tyrosinase Inhibitory and Anti-Inflammatory Activities of Selected Agro-Industrial by-Products. *International Journal of Molecular Science*. **2011**, 12, 8610-8625.
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- **Karimi, E.**, Abdol zadeh, A., and Sadeghipour, H. The potential of glauconitic sandstone as a potassium fertilizer for olive plants. *Archives of Agronomy and Soil Science*. **2011**, 1-11.
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#### Book

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#### Awards

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- **Silver Medal**, Malaysian Association of Research Scientist (MARS, 2013), Novel CO<sub>2</sub> Enrichment Techniques for Improvement of Pharmaceutical Qualities of *Labisia pumila* Benth. Malaysian Technology Expo, Invention and Innovation Awards, 2013.
- **Bronze Medal**, Pameran Rekacipta, Penyelidikan Dan Inovasi (PRPI, 2011), Novel antibacterial properties of the leaf, stem and root of different varieties of *Labisia pumila* Benth. Komersialisasi inovasi kea rah kelestarian ekonomi dan kesejahteraan komuniti, 19-21 July 2011, Pusat Kesenian Sultan Abdul Aziz Shah, UPM.
- Awards of the best graduate doctoral student, October 2012