

CURRICULUM VITAE



BUTIR-BUTIR PERIBADI (Personal Details)			
Nama Penuh (Full Name)	Nurashikin Binti Kemat		Gelaran (Title): Dr.
	Warganegara (Citizenship) Malaysian	Bangsa (Race) Malay	Jantina (Gender) Female
Jawatan (Designation)	Senior Lecturer	Tarikh Lahir (Date of Birth)	12 October 1982

Alamat Semasa (Current Address)	Jabatan/Fakulti (Department/Faculty)	E-mel dan URL (E-mail Address and URL)
Department of Agriculture Technology (Block E, Level 2), Faculty of Agriculture, Universiti Putra Malaysia, 43400 UPM Serdang, Selangor.	Department of Agriculture Technology (Block E, Level 2), Faculty of Agriculture, Universiti Putra Malaysia, 43400 UPM Serdang, Selangor. Tel: + 603 9769 4929	E-mail: nurash@upm.edu.my ORCID: 0000-0002-0654-802

KELAYAKAN AKADEMIK (Academic Qualification)			
Nama Sijil / Kelayakan (Certificate / Qualification obtained)	Nama Sekolah Institusi (Name of School / Institution)	Tahun (Year obtained)	Bidang pengkhususan (Area of Specialization)
Ph.D (Thesis Title: Improving the quality of tissue-cultured plant by fixing the problem related to an inadequate water balance, hyperhydricity)	Wageningen University and Research, The Netherlands	2020	Plant Tissue Culture, Plant Biotechnology, Plant Breeding
Master of Science (Thesis Title: <i>In vitro</i> plant regeneration and RAPD assessment of somaclonal variations in Safed Musli)	Universiti Putra Malaysia	2012	Agrobiotechnology
Bachelor of Science Horticulture	Universiti Putra Malaysia	2007	Horticulture

KEMAHIRAN BAHASA (Language Proficiency)					
Bahasa / Language	Lemah Poor (1)	Sederhana Moderate (2)	Baik Good (3)	Amat Baik Very good (4)	Cemerlang Excellent (5)
English					/
Bahasa Melayu					/

PENGALAMAN SAINTIFIK DAN PENGKHUSUSAN <i>(Scientific experience and Specialisation)</i>				
<i>Organization</i>	<i>Position</i>	<i>Start Date</i>	<i>End Date</i>	<i>Expertise</i>
Universitas Andalas, Padang, Indonesia	Research Collaborator	2024	Present	Plant Sciences / Plant Biotechnology
Universitas Sebelas Maret, Surakarta, Indonesia	Research Collaborator & Examiner	2023	Present	Plant Sciences / Plant Biotechnology
Universitas Muhamadiyah, Yogyakarta, Indonesia	Research Collaborator	2023	Present	Plant Sciences / Plant Biotechnology
Universiti Kebangsaan Malaysia	Research Collaborator	2023	Present	Plant Sciences / Plant Biotechnology
Plant Cell, Tissue and Organ Culture (PCTOC)	Reviewer	2022	Present	Plant Sciences / Plant Biotechnology
Pre-University Matriculation Innovation Competition 2023 (PIITRAM2023)	Jury	2023	2023	Plant Sciences / Plant Biotechnology
Journal of International Society for Southeast Asian Agricultural Sciences	Reviewer	2022	Present	Plant Sciences / Plant Biotechnology
Advances in Agricultural and Food Research Journal	Reviewer	2022	Present	Plant Sciences / Plant Biotechnology
Malaysian Journal of Biochemistry and Molecular Biology	Reviewer	2021	Present	Plant Biotechnology
Journal of Biotech Studies	Reviewer	2021	Present	Plant Biotechnology
Genetics Society of Malaysia	Member	Oct 2020	Present	Plant Sciences / Plant Biotechnology
International Society for Southeast Asian Agricultural Sciences	Member	Sept 2020	Present	Plant Sciences / Plant Biotechnology
Alumni, Wageningen University and Research, The Netherlands	Member	Jun 2020	Present	Plant Sciences (Plant Breeding)
Alumni, Universiti Putra Malaysia	Member	April 2004	Present	Horticulture / Agribiotechnology

PEKERJAAN <i>(Employment)</i>				
<i>Majikan / Employer</i>	<i>Jawatan / Designation</i>	<i>Jabatan / Department</i>	<i>Tarikh lantikan / Start Date</i>	<i>Tarikh tamat / Date Ended</i>
Universiti Putra Malaysia	Senior Lecturer	Dept. of Agriculture Technology	2020	Present

Universiti Putra Malaysia	Tenaga Akademik Muda	Dept. of Agriculture Technology	2014	2020
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SENARAI PENERBITAN (Sila masukan nama pengarang, tajuk, nama jurnal, jilid, muka surat dan tahun diterbitkan) (List of publications – author (s), title, journal, volume, page and year published)	
<i>Journals</i>	<ol style="list-style-type: none"> 1. Nurhuryiah Hadfina Zunazri, Nurashikin Kemat, Norazrin Ariffin, Innaka Ageng Rineksane. Effect of media components on hyperhydricity in horticultural crops: A review. <i>Journal of Plant Biotechnology</i>. 2024. 2. Siti Nor Akmar Abdullah, Norazrin Ariffin, M.Asyraf Md Hatta, Nurashikin Kemat. Opportunity for genome engineering to enhance phosphate homeostasis in crops. <i>Physiology and Molecular Biology of Plants</i>. 2024. 3. Nurashikin Kemat, Richard G.F. Visser, Frans A. Krens. Physiological and morpho-anatomical analyses of hyperhydric Arabidopsis thaliana influenced by media components. <i>Journal of Plant Biotechnology</i>. 2023. 4. Norsida Man, Muhammad Mursyid Mohd Tanos, Nurashikin Kemat. Consumers' Preference in Online Purchasing of Ornamental Plants in the Klang Valley, Malaysia. <i>Malaysian Journal of Agricultural Economics</i>. 2023. 5. Chi Yan Lam, Nazatul Shima Binti Naharudin, Elliza Tajidin and Nurashikin Kemat. Effect of salinity stress and its potential application in enhancing phytochemical content of medicinal plants. <i>CABI Reviews</i>. 2023. 6. Nurashikin Kemat, Richard G.F. Visser, Frans A. Krens. Hypolignification: a decisive factor in the development of hyperhydricity. <i>Plants</i>. 2021. 7. Jaafar Juju Nakasha, Uma Rani Sinniah, Nurashikin Kemat, Kumara Swamy Mallappa. Induction, Subculture cycle, and regeneration of callus in safed musli (<i>Chlorophytum borivilianum</i>) using different types of phytohormones. <i>Pharmacognosy magazine</i>. 12:460-4. 2016. 8. Mehdi Farshad Ashraf, Maheran Abd Aziz, Nurashikin Kemat and Ismanizan Ismail. Effect of cytokinin types, concentrations and their interactions on in vitro shoot regeneration of <i>Chlorophytum borivilianum</i> Sant. & Fernandez. <i>Electronic Journal of Biotechnology</i>. 17: 275-279. 2014. 9. Nurashikin Kemat, Mihdzar Abdul Kadir, Nur Ashikin Psyquay Abdullah and Farshad Ashraf. Rapid multiplication of Safed musli (<i>Chlorophytum borivilianum</i>) through shoot proliferation. <i>African Journal of Biotechnology</i>. 9(29):4595-4600. 2010.
<i>Proceedings</i>	<ol style="list-style-type: none"> 1. Innaka Ageng Rineksan, Zahrani Putri Pramesti, Ety Handayani, Rani Augustina Wulandari, Nurashikin Kemat. The effect of medium substitution on Cavendish Banana Shoot Multiplication (<i>Musa acuminata</i> L.). E3S Web Conference Proceeding: 5th Int'l Conference on Agribusiness and Rural Development (IConARD 2024), 7-8 August 2024, Yogyakarta. 2024. 2. Susanawati, Innaka Ageng Rineksane, Puthut Ardianto, Nurashikin Kemat. Empowering Sekolah Indonesia Kuala Lumpur (SIKL) through Digital Marketing of Ecoprint Products to create creativity and sustainable income. The 9th Int'l Conference of Food, Agriculture and Natural Resources (Fanres), October 30-31, 2024, Makassar, Indonesia. 2024. 3. Nurashikin Kemat, Geert-Jan de Klerk, Richard Visser and Frans Krens. p-Coumaric acid increases lignin content and reduces hyperhydricity in in-vitro grown Arabidopsis seedlings. <i>Acta Horticulturae</i>, 1285: 95-101. 2020.
<i>Other publications</i>	<ol style="list-style-type: none"> 1. Nik Norhazrina Nik Mohd Kamil, Nur Amirah Athirah Mohd Khir, Che Radziah, Nurashikin Kemat & Raymond Yeow. <i>Kultur Tisu Lumut untuk Pemuliharaan dan Nilai Ekonomi Terarium</i>. <i>Majalah Sains</i>. e-ISSN : 2682-8456. 2024. 2. Nurashikin Kemat, Nik Norasma Che'Ya, Syaz Wana Suid, Hyperhydricity in Plant Tissue Culture. 7th Southeast Asian Agriculture Engineering Student Chapter Annual Regional Convention. 2021 3. Nurashikin Kemat. Improving the quality of tissue-cultured plants by fixing the problems related to an inadequate water balance, hyperhydricity. ISBN: 978-94-6395-343-6. 2020. 4. Nurashikin Kemat, Richard G.F. Visser, Frans A. Krens. Hypolignification: Decisive factor in the development of hyperhydricity. <i>Adv. Biochem Biotechnol</i>. DOI: 10.29011/2574-2758-C1-006. 2018

PENYELIAAN (Supervisions)	
<i>Chairman</i>	<ol style="list-style-type: none"> 1. PhD - Abdul Muhaimin bin Abdul Kadir (Current Student - UPM) 2. Master - Nurhuryiah Hadfina binti Zunazri (Current Student - UPM)
<i>Member</i>	<ol style="list-style-type: none"> 1. PhD - Lam Chi Yan (Current Student - UPM) 2. PhD - Siti Hamidah Radiyah Sheikh Mahmud (Current Student - UPM) 3. PhD - Borhan Islamudin (Current Student - UPM) 4. PhD - Nur Amirah Athirah Mohd Khir Current Student - UKM) 5. Master – Amir Hariz Zaini (Current Student - UPM)

ANUGERAH DAN HADIAH (<i>Honours and Awards</i>)				
<i>Name of awards</i>	<i>Title</i>	<i>Award Authority</i>	<i>Award Type</i>	<i>Year</i>
<i>Academic Awards</i>	3 rd Agrifood System International Conference (ASIC) - Moderator	Universitas Andalas, Padang, Indonesia	International	2024
	Hyper-Interdisciplinary Conference in Malaysia 2024 (HIC MY 2024) – Silver Medal	Leave a Nest Co., Ltd.	International	2024
	1 st International Summer Course on Integrated Sustainable Agriculture for Circular Economy – Invited Speaker	Universitas Sebelas Maret, Surakarta, Indonesia	International	2023
	International Putra InnoCreative Carnival in Teaching and Learning (i- PicTL) - Gold Medal	Universiti Putra Malaysia	International	2021
	7 th Southeast Asian Agriculture Engineering Student Chapter Annual Regional Convention 2021 - Silver Medal	Universiti Putra Malaysia and Malaysian Society of Agricultural and Food Engineers	International	2021
	2 nd International Conference on Advance in Biotechnology - Best Poster	Garvin International Conferences and Publisher	International	2018
	CPD Certificates of Attendance and Learning Tool	Garvin International Conferences and Publisher	International	2018
	Federal Scholarship Awards: Skim Latihan Akademik IPTA (SLAI)	Ministry of Higher Education Malaysia & University Putra Malaysia	University	2014-2020
	Certificate of Academic Excellence	University Putra Malaysia	University	2004-2005
	Dean's List	Faculty of Agriculture, Universiti Putra Malaysia	University	2004-2005
<i>Non-Academic Awards</i>	Excellent Service Award	Faculty of Agriculture, Universiti Putra Malaysia	University	2021
	Excellence Service Award	Faculty of Agriculture, Universiti Putra Malaysia	University	2013
	Certificate of Achievement	Petosains Sdn. Bhd	Corporate Agency	2003
	Certificate of Appreciation	Ministry of Youth and Sports	National	2001

PROJEK PENYELIDIKAN (Research Project)					
<i>Project No.</i>	<i>Project Title</i>	<i>Role</i>	<i>Year</i>	<i>Source of fund</i>	<i>Status</i>
<i>Frgs/1/2023/WAB11/UKM/02/01</i>	<i>In Vitro Propagation of Thuidiaceae Moss as Potential for Commercialization and Conservation with a Taxonomic Revision</i>	Member	2023	Ministry of Higher Education Malaysia (FRGS)	On-going
5540560	<i>Polyploidization and salinity stress induction of Hemptedu Bumi (Andrographis paniculata) for enhanced yield and bioactive compounds production</i>	Member	2022	Ministry of Higher Education Malaysia (FRGS)	On-going
9710400	<i>Understanding the Physiological, Anatomical and Biochemical factors for Overcoming Hyperhydricity in Tissue-culture Carnation (Dianthus Caryophyllus L.)</i>	Principal Investigator (Leader)	2022	Universiti Putra Malaysia (GP-IPM)	On-going
9699700	<i>Development of Sago (Metroxylon sagu Rottb.) Draft Genome.</i>	Member	2021	Universiti Putra Malaysia (GP-IPM)	On-going
<i>KV 1310-067</i>	<i>Stress in Weefselweek</i>	Committee Member	2014-2020	TKI-U , Netherlands Enterprise Agency, The Netherlands	Completed
<i>na</i>	<i>Penyelidikan Safed Musli</i>	Graduate Research Assistant	2008-2011	Yayasan Felda	Completed