

Staff Handbook



Name	Prof. Dr. Ir. Sufardi, M.S.		
Post (teaching area and designation)	Soil Chemistry		
Academic career	Initial academic appointment	Institution	Year
	Doctorate-Agricultural Sciences (Soil Fertility and Plant Nutrition)	Padjadjaran University, Bandung, Indonesia	1996-1999
	Master's Degree in Soil Science (Soil Chemistry)	Gadjah Mada University, Yogyakarta, Indonesia	1988-1991
	Undergraduate degree-Soil Fertility	Universitas Syiah Kuala, Banda Aceh, Indonesia	1981-1086
Employment	Position Lecturer	Employer Universitas Syiah Kuala	Period 1987-present
Research and development projects over the last years	Name of project or research focus Period and any other information Partners, if applicable: Improving soil and water management and crop productivity of dryland agriculture systems of Aceh and NSW (SMCN/2012/103) 2013-2018, Colaboration program: NSW Australia, USK, BPTP Aceh. Amount of financing: AUD 1,045,002		
Industry collaborations over the last 5 years	Project title: Partners:		
Patents and proprietary rights	Title:		Year:
	(1) Computer program (Software NDIV sim VI , No. 000265466): Devianti, Agus Arip Munawar, Sufardi, Syafriandi.		2021
	(2) Computer program (Software SoilSPEC Model.1 , No. 000379837): Mustaqimah, Sufardi, Devianti, Agus Arip Munawar.		2022
	(3) Computer program (Software PCA-Bionik V.1 , No. 000556169): Zuraida, Sufardi, Syakur, Agus Arip Munawar.		2023
Important publications over the last 5 years	Selected recent publications from a total of approx. Total number: 33 in Scopus		

	<p>Author(s): https://www.scopus.com/authid/detail.uri?authorId=57202350070</p> <p>Title: Bioremediation of Ex-Mining Soil with the Bio-compost in the Incubation Experiments (Rosa, E., Sufardi, S., Syafruddin, S., Rusdi, M.) https://www.hindawi.com/journals/aess/2023/4129909/</p> <p>Title: Improvement of soybean yields using amendments on dryland soils of Aceh Besar, Indonesia. (Sufardi, S., Syakur, S., Mislia, M., Arabia, T., Khairullah, K.) https://iopscience.iop.org/article/10.1088/1755-1315/1183/1/012075/meta</p> <p>Title: Application of LW-NIR for rapid prediction of primary nutrients cropland by chemometrics: Comparison among preprocessing and machine learning algorithm approaches (Devianti, Sufardi, Bulan, R., Nurlaili, Haris, O.) Case Studies in Chemical and Environmental Engineering, 2023, 8, 100454, https://www.sciencedirect.com/science/article/pii/S2666016423001597</p> <p>Any other information</p> <ol style="list-style-type: none"> 1. Assessment of carbon and nitrogen distribution on several soil orders for sustainable management in dryland farming: A Case Study in Aceh Besar Regency, Indonesia, IOP Publisher. (S Sufardi, T Arabia, K Khairullah, M Rusdi, M Khalil, I Ilyas, Z Zainabun, and UH Abdullah); https://iopscience.iop.org/article/10.1088/1755-1315/1230/1/012062 2. Drought and water availability analysis for irrigation and household water needs in the Krueng Jrue sub-watershed (Basri, H., Sufardi, S., Helmi, H., ...Azmeri, A., Helmi, H.); https://peerj.com/articles/14830/ 3. Reference Books: Introduction to Plant Nutrition (origin Titel: Pengantar Nutrisi Tanaman), Syiah Kuala University Press, 2019. 4. Reference Books: Land Degradation and Rehabilitation (origin Title: Degradasi dan Rehabilitasi Lahan), Syiah Kuala University Press, 2023. <p>Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers</p>										
<p>Activities in specialist bodies over the last 5 years (Membership without a specific role need not be mentioned) Kegiatan di badan spesialis selama 5 tahun terakhir (Keanggotaan tanpa peran khusus tidak perlu disebutkan)</p>	<table border="1"> <thead> <tr> <th data-bbox="545 1476 1263 1514">Organization Role</th> <th data-bbox="1263 1476 1435 1514">Period</th> </tr> </thead> <tbody> <tr> <td data-bbox="545 1514 1263 1598">Indonesia Soil Science Association (HITI), Member/Advisory</td> <td data-bbox="1263 1514 1435 1598">1988-now</td> </tr> <tr> <td data-bbox="545 1598 1263 1661">Indonesian Mycorrhizal Association (AMI), Advisory Team/Member</td> <td data-bbox="1263 1598 1435 1661">2000-now</td> </tr> <tr> <td data-bbox="545 1661 1263 1703">Indonesian Peat Association (HGI), Member</td> <td data-bbox="1263 1661 1435 1703">1988-now</td> </tr> <tr> <td data-bbox="545 1703 1263 1839">Indonesia Soil and Water Conservation (MKTI), Member</td> <td data-bbox="1263 1703 1435 1839">2016-now</td> </tr> </tbody> </table>	Organization Role	Period	Indonesia Soil Science Association (HITI), Member/Advisory	1988-now	Indonesian Mycorrhizal Association (AMI), Advisory Team/Member	2000-now	Indonesian Peat Association (HGI), Member	1988-now	Indonesia Soil and Water Conservation (MKTI), Member	2016-now
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