

Staff Handbook - Nguyen, Hoang Anh

Name (Họ và Tên)	<i>Nguyen, Hoang Anh</i>		
Post (Ví trí)	<i>Lecturer</i>		
Academic career (Quá trình đào tạo)	<i>German post-doctoral qualification (subject: Modelling phytoremediation processes of mangroves)</i>	<i>Institute of Geoecology – Technische Universität Braunschweig, Germany</i>	<i>Year: 2012 - 2016</i>
	<i>Doctorate (A model for predicting mangrove forest dynamics under variable environmental conditions – A case study of the Estuary of Dongnai – Saigon River system, Vietnam)</i>	<i>Institute of Geoecology – Technische Universität Braunschweig, Germany</i>	<i>Year: 2007-2011</i>
	<i>Undergraduate degree (Application of remote sensing and GIS to evaluate soil quality through mangrove indicators)</i>	<i>Institute for Environment and Resources – VNUHCM, Vietnam</i>	<i>Year: 2004-2007</i>
Employment (Nghề nghiệp)	<i>Position: lecturer</i>	<i>Employer:</i>	<i>Period:</i>
		<i>Institute for Environment & Resources - VNUHCM HoChiMinh city University of Technology - VNUHCM</i>	<i>2003 – March 2021 April 2021 -</i>
Research and development projects over the last 5 years (Thành tích dự án và nghiên cứu trong năm gần)	<p>Name of project or research focus:</p> <p><i>Monitoring and simulation of pollutant uptake and transport by mangroves - subproject 5 of the EWATEC COAST Project</i></p> <p>Period and any other information: 2012 - 2016</p> <p>Partners, if applicable: <i>Institute of Geoecology – Technische Universität Braunschweig, Germany</i></p>		

	<p>Name of project or research focus</p> <p><i>Creating a model for predicting long-term responses of mangrove forests to changing environmental conditions</i></p> <p>Period and any other information: 2017 - 2019</p> <p>Amount of financing: 748 tr</p> <p>Name of project or research focus</p> <p><i>Development of an optimization model for mangrove forest management under environmental pollution and climate change.</i></p> <p>Period and any other information: 2020</p> <p>Amount of financing: 1560 tr</p> <p>Name of project or research focus</p> <p><i>Building a model for simulation of the "Dose-Response" between pesticide application and disease spread on Pepper crop cultivation to support for the development of solutions for cleaner farming practices in agriculture.</i></p> <p>Period and any other information: 2019 – 2021</p> <p>Amount of financing: 650 tr</p>				
<p>Industry collaborations over the last 5 years (Hợp tác với doanh nghiệp)</p>	<p><i>Project title (tên dự án)</i></p> <p><i>Partners (đối tác)</i></p>				
<p>Patents and proprietary rights (Sở hữu trí tuệ)</p>	<table border="1"> <thead> <tr> <th data-bbox="528 1326 1161 1368"><i>Title</i></th> <th data-bbox="1161 1326 1426 1368"><i>Year</i></th> </tr> </thead> <tbody> <tr> <td data-bbox="528 1368 1161 1480"> </td> <td data-bbox="1161 1368 1426 1480"> </td> </tr> </tbody> </table>	<i>Title</i>	<i>Year</i>		
<i>Title</i>	<i>Year</i>				
<p>Important publications over the last 5 years (Bài Báo nổi bật trong 5 năm gần)</p>	<p><i>Selected recent publications from a total of approx. (give total number): 07</i></p> <p style="padding-left: 40px;"><i>Nguyen, A.; Richter, O.; Le, B.V.Q.; Phuong, N.T.K.; Dinh, K.C. Long-Term Heavy Metal Retention by Mangroves and Effect on Its Growth: A Field Inventory and Scenario Simulation. Int. J. Environ. Res. Public Health 2020, 17, 9131. https://doi.org/10.3390/ijerph17239131</i></p> <p style="padding-left: 40px;"><i>Nguyen, Anh; Le, Bao V.Q.; Richter, Otto. 2020. "The Role of Mangroves in the Retention of Heavy Metal (Chromium): A Simulation Study in the Thi Vai River Catchment, Vietnam" Int. J. Environ. Res. Public Health 17, no. 16: 5823. https://doi.org/10.3390/ijerph17165823</i></p>				

	<p><i>N. H. Anh, O. Richter, and N. V. Phuoc “Multiphysics Modeling of Pollutant Uptake by Mangroves” – Proceedings of the 6th International Conference on High Performance Scientific Computing, Hanoi, Vietnam - March 16-20, 2015 – Accepted to be published in 2017 by Springer Verlag Berlin.</i></p> <p><i>Costa-Böddeker, S., Philipp Hoelzmann, Lê Xuân Thuyên, Hoang Duc Huy, Hoang Anh Nguyen, Otto Richter, Antje Schwal. 2017. “Ecological risk assessment of a coastal zone in Southern Vietnam: Spatial distribution and content of heavy metals in water and surface sediments of the Thi Vai Estuary and Can Gio Mangrove Forest”. Marine Pollution Bulletin, In Press, Corrected Proof, Available online 20 October 2016</i></p> <p><i>Kim Linh Nguyen, Hoang Anh Nguyen, Otto Richter, Minh Thinh Pham, Van Phuoc Nguyen „Ecophysiological responses of young mangrove species Rhizophora apiculata (Blume) to different chromium contaminated environments “ - Science of the Total Environment 574 (2017) 369–380</i></p> <p><i>Hoang Anh Nguyen and Otto Richter “Multiscale modeling of pollutant uptake by mangroves” – Int. Jnl. of Multiphysics Volume 10 · Number 2 · 2016</i></p> <p><i>O. Richter, H.A. Nguyen, K.L. Nguyen, V.P. Nguyen, H. Biester, P. Schmidt “Phytoremediation by mangrove trees: Experimental studies and model development” - Chemical Engineering Journal 294 (2016) 389–399</i></p>						
<p>Activities in specialist bodies over the last 5 years (Hoạt động cá nhân đặc trưng trong 5 năm gần)</p>	<table border="0"> <thead> <tr> <th style="text-align: left;"><i>Organisation</i></th> <th style="text-align: left;"><i>Role</i></th> <th style="text-align: left;"><i>Period</i></th> </tr> </thead> <tbody> <tr> <td colspan="3"><i>Membership without a specific role need not be mentioned</i></td> </tr> </tbody> </table>	<i>Organisation</i>	<i>Role</i>	<i>Period</i>	<i>Membership without a specific role need not be mentioned</i>		
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