



SCIENTIFIC CURRICULUM VITAE

1. Personal details

Full name: Tran Ngoc Dam Date of birth: 06/06/1977
Academic title: Assoc. Prof. Dr Sex: male.
Administrative position:
Department: Mechanical Engineering
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OrcID:
Research gate: <https://www.researchgate.net/scientific-contributions/Tran-Ngoc-Dam-2119806753>

2. Qualifications:

No	Years	Academic institutions	Major/Specialty	Academic degree
1	2000	HCMC University of Technology and Education	Mechanical Engineering	Bachelor in Engineering
2	2004	AIT	Design and Manufacturing	Bachelor in Engineering
	2008	Duisburg-Essen University, German	Mechatronic	Master in Engineering
3	2011	Nagaoka Technology University	Enviroment and Engineering (Plasma Dynamic)	PhD in Engineering
4	2015	Nagaoka Technology University	Plasma dynamic-nano coating	Researching
5	2019	British Council	Technical teaching using English	

3. Professional experience:

No	Years	Institution	Professional address	Position
	2000-Current	Ho Chi Minh City University of Technology and Education	Mechanical Engineering	Lecturer
	2015	Nagaoka Technology University	Plasmadynamic	Researcher
	2014	Higher Engineering Education Alliance Program (HEEAP)	Educational Science	Advanced Professional Training
	2002	Technisches Beufskolleg Solingen, Germany	Mechanical Engineering	Advanced Professional Training



4. Language (rating: A- Poor/deficient; B- Fair; C- Sufficient; D- Fluent)

Language	Reading	Writing	Speaking
English	D	D	D
Germany	C	C	C
Japan	B	B	C

5. Expertise and research interests

5.1. Main research orientation

- Plasma dynamic
- Developing waste water treatment using cold plasma
- Developing air sterilizing system using cold plasma
- Developing surface treatment system using plasma dynamic
- Developing fruit and vegetable prevent system

5.2. List of research projects:

List all the research grants/projects:

No	Project ID and Project name	Funding institution & funded amount	Project duration	Project evaluation ranking	Position/ role in the project
1	Research and manufacturing a surface treatment system using Plasma	Ho Chi Minh city	2013	Good	Leader
2	Research and manufacturing a waste water treatment system using Plasma	Ho Chi Minh city	2014	Good	Leader
3	Research and manufacturing a air treatment system using Plasma	Ho Chi Minh city	2015	Good	Leader
4	Research and manufacturing Lab. waste water treatment system using Plasma	Dong Thap City	2016	Good	Leader
	Developing a hotel waste water treatment system using Plasma	Thanh Hoa City	2017	Good	Leader

5.3. Publications

No	Authors	Year	Publications	Name of Journal/Conference , publishers/ No, Vol, Page	ISSN/ ISBN	Doi/ Link	Notes
1	Article(s) in WoS-covered journal						
1.1		2011	Temperature Analysis of Copper Wire in a Plasma Annealing System at Atmospheric	Japanese Journal of Applied Physics, Volume 50, Number 3R		10.1143/JJAP.50.036202	



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			Pressure				
1.2		2010	Optimization Input Power to Obtain the Stable Annealing Conditions of a Plasma Annealing System at Atmospheric Pressure	Journal of plasma and fusion research series. Vol. 9 (2010)		https://warp.danl.go.jp/info:ndljp/pid/10974289/www.jspf.or.jp/JPF/RS/PDF/Vol9/jpfrs2010_09-503.pdf	
1.3		2015	Hospital wastewater treatment system by plasma at atmospheric pressure	IEEE, TENCON 2014 - 2014 IEEE Region 10 , p.1-4.		10.1109/TENCON.2014.7022334	
1.4		2017	Shoes surface bonding by cold plasma technology	IEEE, ICSSE	2325-0925	10.1109/ICSSE.2017.8030962	
1.5		2017	Environmental enhancing adhesion properties of Wood-Plastic Composites by plasma at atmospheric pressure	IEEE, ICSSE	2325-0925	10.1109/ICSSE.2017.8030956	
2	Article(s) in Scopus-covered journal						
2.1							
3	Article(s) in other international journal						
3.1							
4	Article(s) in National scientific journal						
4.1		2013	Analyzing the Effect of plasma on bacteria	Journal of Technical Education Science, Volume 25, 2013, p.57-62			
4.2		2013	Developing a 5m3/day waste water system using cold plasma	Journal of Technical Education Science, Volume 25, 2013, p.79-83			



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5	National/International Conference (s)						
5.1		2015	Environmental sterilizing dentures by cold-plasma at atmospheric pressure	International Conference On Green Technology And Sustainable Development, 2014, Volume 2, No.9, 2014, p.358-362			
5.2		2015	Developing a sterilizing cold towel using plasma	The 4th National conference on mechanical science and technology 2015, Volume 1, 2015, p. 216-222			
5.3		2015	Analzing ability to kill S. Aureus bacteria on cold towels by plasma	The 4th National conference on mechanical science and technology 2015, Volume 1, 2015, p. 654-658			
5.4		2014	Environmental treating textile wastewater by plasma discharge at atmospheric pressure	International Conference On Green Technology And Sustainable Development, 2014 ,Volume1, No.5, 2014, p.89-103			
5.5		2014	Environmental Sterilizing Air by Cold-Plasma At Atmospheric Pressure	The second science and technology conference: Sustainable Development of Natural Resources, Energy and Environment (SDNEE-2) ISBN: 978-604-73-2811-6, NO.10, 2014, p.88-99			
6	Other (monographs, book chapter, patents, awards ...)						
6.1			Effect of Dielectric in a Plasma Annealing System		Book chapter	10.5772/50594	



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			at Atmospheric Pressure		<u>Dielectr ic Material</u>		
6.2	Tran Ngoc Dam	11/07/2016	Air sterilizing machine using cold plasma	National patent	1401		
6.3	Tran Ngoc Dam	27/11/2018	Waste water treatment system and it method using cold plasma	National patent	1929		
6.4	Tran Ngoc Dam	25/12/2018	Plasma power supply	National patent	20389		
6.5	Tran Ngoc Dam	22/10/2018	Hospital waste water treatment system using cold plasma	National patent	1887		
6.6	Tran Ngoc Dam	01/08/2018	Drinking waster treatment system and treatment method using cold plasma	National patent	19727		
6.7	Tran Ngoc Dam	2020	Nano coating using cold plasma	National patent	2521		