



SCIENTIFIC CURRICULUM VITAE

1. Personal details

Full name: Le Van Vinh Date of birth: 12/10/1983
Academic title: Doctorate Sex: Male
Administrative position: Dean
Department: Information Technology
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Research gate: <https://www.researchgate.net/profile/Van-Vinh-Le>

2. Qualifications:

STT	Years	Academic institutions	Major/Specialty	Academic degree
1	2001 – 2005	University of Sciences, Vietnam National University - Ho Chi Minh city.	Information Technology	Bachelor
2	2006 – 2009	University of Sciences, Vietnam National University - Ho Chi Minh city.	Computer Science	Master
3	2013 – 2017	University of Technology, Vietnam National University - Ho Chi Minh city	Computer Science	Doctorate

3. Professional experience:

STT	Years	Institution	Professional address	Position
1	7/2005 – 10/2005	Tường Minh company (TMA)		Developer
2	3/2006 – 3/2007	Vietnam Academy of Science and Technology	1 Mac Dinh Chi, Dist. 1, Ho Chi Minh City	Researcher
3	4/2007 – now	Faculty of Information Technology. Ho Chi Minh city University of Technology and Education		Lecturer, Deputy Head of Department of Software Engineering (2011 – 2017), Vice-dean (2013- 2019)



				Dean (2020 – now)

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

Language	Reading	Writing	Speaking
English	C	C	C
Other language			

5. Expertise and research interests

5.1. Main research orientation

- Data Science
- Bioinformatics
- Optimization algorithms.
- High Performance Computing

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 develop grid computing system having high security	The department of Science and technology level project	2007		Member
2	Apply grid computing system to solve some problems in Bioinformatics	Ministry level project	2006		Member
3	High performance computing and Grid computing for Bioinformatic problems	IOIT-HCMC	2007		Member
4	Research on Cloud computing infrastructure	HCMUTE	2008		Member
5	A study of approaches for the clustering problem of metagenomic reads	HCMUTE	2013		Chief
6	A study of genomic signatures used for the clustering of metagenomic sequences	HCMUTE	2014		Chief
7	Computational approach for clustering problem of metagenomics sequences	HCMUT	2014		Chief
8	Parallel approach for the classification of metagenomic sequences	HCMUTE	2017		Chief
9	Alignment-free based gene sequence analysis for metagenomic	Ho Chi Minh Vietnam	2019 – 2022		Main Member



binning.	National University			
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5.3. Publications

No	Authors	Year	Publications	Name of publishers/ No, Vol, Page	ISSN/ ISBN	Doi/ Link	Notes
1	Article(s) in WoS-covered journal						
1.1	Le Van Vinh, Tran Van Lang, Le Thanh Binh, Tran Van Hoai	2015	A two-phase binning algorithm using I-mer frequency on groups of non-overlapping reads	Algorithms for Molecular Biology 10.1			
1.2	Van Le, Vinh, Lang Van Tran, and Hoai Van Tran	2016	A novel semi-supervised algorithm for the taxonomic assignment of metagenomic reads	BMC bioinformatics 17.1			
1.3	Huynh Quang Bao, Le Van Vinh, Tran Van Hoai	2022	A deep embedded clustering algorithm for the binning of metagenomic sequences	IEEE Access (Accepted)			
2	Article(s) in Scopus-covered journal						
2.1							
3	Article(s) in other international journal						
3.1	Le Van Vinh, Tran Van Lang, Nguyen Thi Thu Du, and Vo Hong Bao Chau	2012	Multiple Sequence Alignment on the Grid computing using Cache technique	International Journal of Computer Science and Telecommunications. ISSN 2047-3338, Vol 3, Issue 7, 2012, page.46-51.			
3.2	Trang Hong Son, Tran Van Lang, Le Van Vinh	2013	Finding the motif from DNA Sequences using Grid Computing System	International Journal of Computer Science and Telecommunications, ISSN 2047-3338, Vol.4, Issue 1, 2013, pp.8-13, http://www.ijcst.org/Volume4/Issue1.html			
4	Article(s) in National scientific journal						
4.1	Hai Chau Khuong, Van Vinh Le, và Nguyen Huynh Tuong, Van Hoai Tran	2014	An iterative heuristic algorithm for the jury timetabling problem: A case study at HMCUT-CSE	Journal of Science and Technology, ISSN 0866-708X, Vol 52, No 1B (2014),			



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4.2	Le Van Vinh, Tran Van Lang, Tran Van Hoai	2014	Performance of clustering approaches for metagenomics reads	Journal of Science and Technology, ISSN 0866-708X, Vol 52, No 1B (2014), pp.28-36.			
4.3	Vinh, L. V., Lang, T. V., & Hoai, T. V.	2014	A novel l-mer counting method for abundance-based binning of metagenomic reads	Journal of Computer Science and Cybernetics, 30(3), 267-277.			
4.4	Le Van Vinh, Tran Van Hoai, Duong Ngoc Hieu, Bui Xuan Giang, Tran Van Lang	2017	Taxonomic assignment for large-scale metagenomic data on high-performance systems	Journal of Computer Science and Cybernetics. Vol 33, No. 2, 2017			
5	National/International Conference (s)						
5.1	Le Van Vinh, Tran Dan Thu	2010	Applying object-oriented design patterns to develop service-based software	ICTFIT'10, Ho Chi Minh city, the Publishing House of Science and Technology, page 1-8.			
5.2	Le Van Vinh, Tran Van Lang, Tran Van Hoai	2014	An abundance-based binning approach for metagenomics read using a fuzzy k-medoids methods	Proceeding of The 7th National Conference on Fundamental and Applied IT Research – FAIR'7, Thai Nguyen, 19 - 20/6/2014, ISBN: 978-604-913-300-8, Natural Science and Technology Publishing House, DOI: 10.15625/FAIR.VII.2014-0321, pp. 25-30.			
5.3	Le Van Vinh, Tran Van Lang, Tran Van Hoai	2014	MetaAB - A Novel Abundance-Based Binning Approach For Metagenomic Sequences	Proceeding of The 1st International Conference on Nature of Computation and Communication (ICTCC), Springer,			



No	Authors	Year	Publications	Name of publishers/ No, Vol, Page	ISSN/ ISBN	Doi/ Link	Notes
				HCMCity, Nov 24-25, 2014			
5.4	Le Van Vinh, Duong Hoang Nhut, Tran Van Hoai, Tran Van Lang	2014	A combination of genomic signatures for the binning of metagenomic sequences	Proceedings of The 2nd International Conference on Green Technology and Sustainable Development, HCM City Oct 30-31, 2014, ISBN 978-604-732-817-8, 662-668			
5.5	Hong Thanh Pham, Le Van Vinh, Tran Van Lang, and Van Hoai Tran	2019	GMeta: A Novel Algorithm to Utilize Highly Connected Components for Metagenomic Binning	In International Conference on Future Data and Security Engineering, pp. 545-559. Springer			
5.6	Hoang, V., V. Le, V., V. Tran, H., V. Tran, L., & Q. Huynh, B.	2020	Parallel algorithm for the unsupervised binning of metagenomic sequences	In 2021 The 5th International Conference on Machine Learning and Soft Computing (pp. 48-53).			
6	Other (monographs, book chapter, patents, awards ...)						
6.1							