**SCIENTIFIC CURRICULUM VITAE**

I. PERSONAL DETAILS

Full name: Do QuangTrung

Date of birth: 1962.9.23

Nationality: Vietnam

Highest academic title: PhD Granted year: 2003

Current position: Lecturer, Head of Department of Environmental Chemistry

Current institution: VNU University of Science, Vietnam National University-Hanoi

Email: doquangtrung@hus.edu.vn

II. EDUCATION BACKGROUND

1. **Undergraduate:**

Educational Institution:VNU University of Science, Vietnam National University-Hanoi

Field of study: Chemistry

Country: Vietnam Year of graduation: 1988

1. **Graduate**

* Master’s Degree in: Year of graduation:

Institution:

* Dr/PhD’s Degree in: Chemistry Year acquired: 2003

Institution:VNU University of Science, Vietnam National University-Hanoi

Thesis title: Application of Solid Phase Extraction Technique for the Separation and Determination of Trace Arsenic and Mercury in Waters

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| **3. Language proficiency:** | 1. English  2. Russian | ☒Fluent  ☐Good command  ☐Basic  ☐Fluent  ☐Good command  ☒Basic |

**III. PROFESSIONAL EXPRERIENCES**

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| **Year** | **Institution** | **Position/ activities in charged** |
| 1989 | Faculty of Chemistry, VNU University of Science | Researcher |
| 1995 | Department of Chemical Engineering, Faculty of Chemistry, VNU University of Science | Lecturer, Chief researcher, |
| 2003 | Department of Chemical Engineering, Faculty of Chemistry, VNU University of Science | Assistant Professor |
| 2009 - present | Department of Environmental Chemistry, Faculty of Chemistry, VNU University of Science | Associate Professor,  Head of Department |
| 2010 -present | Lab. For the Development ofofAdvanced Science and Technology, VNU University of Science | Vice Dean of Lab |

**IV. RESEARCH ACTIVITIES**

1. List of research projects which have been accomplished or on progress:

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| **No.** | **Name of research** | **Year (started and completed)** | **Level of research project(State, ministry, branch, institution)** | **Position/role in the project** |
| 1 | Synthesis of Magnetic Materials for the Adsorption of Heavy metals in waters”, | 2004-2005, | Research Project of Vietnam National University -Hanoi. Code: QT- 04-13 | Project director |
| 2 | **I**ntegration of **S**olid waste management **T**ools into specific settings of **E**uropean and **A**sian **C**ommunities- (ISTEAC)”. | 2004-2005 | EC project | Member |
| 3 | Master Course on: “ Waste Management and Contaminated Site Treatment”, | 2004- 2012 | Cooperation Project between VNU University of Science and Technical University of Dresden. | Member |
| 4 | “Investigation of the pollution by E-waste in the waste collection villages and development of suitable management model and technologies for hazadous E-waste recycling and reuse to useable products”.. | 2006-2008 | National Project of Ministry of Resources and Environment | Project manager |
| 5 | Investigation and making of equipment for the treatment of discarded fluorescent lamps in municipal and industrial wastes**.** | 2009-2010 | Research Project of Vietnam National University -Hanoi. Code: QGDA- 09-05 | Project manager |
| 6 | “Investigation of the situation and development of the e-waste management, recycling technology models (television, personal computer, mobile-phone, refrigerator) in the Northern Key Economic Zone (Vietnam) during the period of 2010-2020” | 2010 -2012 | National Project of Ministry of Resources and Environment | Executive director |
| 7 | Integrated Wastewater Concept for Industrial Zonesexemplified at TraNoc Industrial Zone, Vietnam | 2011 -2013 | Bilateral cooperation project on science and technology-Ministry of Science and Technology between Vietnam and Germany | Vietnamese coordinator of Project |
| 8 | “Sustainable management of wastewater in rural areas and city suburbs in the provinces of QuangNinh and Hanoi, Vietnam” 10-PR1-0582 | (2011-2013) | Bilateral cooperation project on science and technology-Ministry of Science and Technology between Vietnam and Spain | Member |
| 9 | Study on treatment of mercury vapor from solid waste incinerators, waste recycling factories for fluorencent lambs by high adsorption capacity | 2012 -2014 | National Priority Project in Enviromental Protection. Code: KC.08.15/11-15 | Member |
| 10 | - “Synthesis of adsorptive materials based on the modification of Vietnamese natural ores to remove florine, arsenic, phosphate, nitrogen species” (2014-2015) |  | National Project on Environmental Industry. Code.1014/CNMT | Executive manager of VNU Sub-project |

1. List of publications:

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| **No.** | **Title, pages, volume** | **Year of publication** | **Publisher/place of publication** |
| 1 | Precipitation of carbonates of Rare Earth (III) by Urea with Ureaza as a catalyzator | 1993 | The 2nd Vietnam National Congress on Chemistry |
| 2 | Recuperation of EDTA in the case of great production of pure Race Earth Elements by Ion-exchange Chromatographic method | 1993 | The 2nd Vietnam National Congress on Chemistry |
| 4 | Water - loss Reduction Program in Vietnam | 1998 Islamabad, Pakistan | 24th WEDC Conference Sanitation and Water for All, |
| 5 | Application of Indo-phenol method to determine and evaluate the contamination of Ammonium in groundwater of Hanoi | Hanoi, Vietnam 9/2000 | The first conference on Analytical Sciences |
| 6 | Investigation of the adsorption abilities of Cr species on Chitin and Chitosan | Hanoi, Vietnam 9/2000 | The first conference on Analytical Sciences |
| 7 | Investigation of Using 4-(Piridyl - 2' - azo) - Resorcinol (PAR) in Photometric Method to Determine Trace Amount of Mercury | Hanoi, Vietnam 9/2000 | The first conference on Analytical Sciences |
| 8 | Concentration of Trace Mercury (II) on Amberlite IR - 120 and Chelex -100 Resins | Hanoi Vietnam 11/2000 | Proceeding of the 2nd National Conference - Section of Chemistry |
| 9 | Preconcentration of Arsenic Specises in Environmental Water by Solid Phase Extraction Using Metal - loaded Chelating Resins | 2001 | Journal of Analytical Sciences |
| 10 | Investigation of the adsorption of trace amount of As (III), As (V) and Monomethylarsonic acid on La(OH)3 and application in environmental analysis | 2002 | Vietnam Journal of Chemistry |
| 11 | Determination of Arsenic in Environmental Water by Hydride Generation Atomic Absorption Spectrometry after preconcentration bay Using Solid Phase Extraction. | 2003 | The 8thEurAsia Conference on Chemical Sciences |
| 12 | Determination of Trace Mercury in Water by Catalytic Kinetic Method | 2004 | Journal of Sciences -VNU |
| 13 | E-waste Management in Vietnam: The Potential for the Recycling and Reuse of Waste from TV and Computer Monitors | 2005 | Proceedings of Workshop on Soilid Waste Management |
| 14 | Study on multivariate analysis for the evalueation of sources and distribution of heavy metal contaminations in soil and sediment from electronic waste and plastic treatment places | 2008 | Journal of Analytical Sciences |
| 15 | Application of immobilized Zr(IV) activated carbon for the removal of Phosphate and florite in NinhBinh fertilizer wastewater | 2008 | Vietnam Journal of Chemistry |
| 16 | Preliminary Investigation of Using CRT Glass from E-waste as Second Materials in Construction Material Industry: | 2009 | Journal of Sciences -VNU |
| 17 | The contamination of heavy metals in soil and sediment at e-waste collection and recycling | 2009 | Vietnam Journal of Chemistry |
| 18 | Investigation of quantitative and semi- quantitative methods for quick determining mercury in fluorescent lamps | 2010 | Journal of Analytical Sciences |
| 19 | Preliminary Investigation of Using CRT Glass from E-waste as Second Materials in Construction Material Industry | *2010* | Journal of Sciences -VNU |
| 20 | Synthesis of novel materials based on activated carbon for the adsorption of vapor mercury | 2011 | Vietnam Journal of Chemistry |
| 21 | Adsorption of Basic Red 46 onto Activated Carbon | 2012 | Research Journal of Chemistry and Environment, Vol.16 (4) (2012) |
| 22 | A holistic approach to recycling of CRT glass and PCBs in Vietnam | 2012 | Journal of Vietnamese Environment, Vol. 1, No. 1, 2012, pp. 1-7 |
| 23 | Study on Preparing Blends from ABS Plastic/Printed Circuit Board Wastes | 2012 | Vietnam Journal of Chemistry, T50(4A), 2012, 450-453 |
| 24 | Adsorption of Hg(II) from Aqueous Solution of Activated Carbon Impregnated in Copper Chloride Solution, | 2013 | Asian Journal of Chemistry, Vol.25. No 18(2013), 10251-12054 |
| 25 | The Impact of Pre-coagulation on Reduction and Control Flux Decline in Microfiltration of Surface Water | 2013 | Vietnam Journal of Chemistry |
| 26 | Studying on Preparing and Properties of Thermoplastic Composite Based on the Blends of ABS Plastic/PVC Plastic/Printed Circuit Board Wastes | 2013 | Vietnam Journal of Chemistry, T.51, (số ABC), 498-504, 2013 |
| 27 | Modification of activated carbon by copper chloride solution for the treatment of vapor-phase elemental mercury | 2013 | Journal of Analytical Sciences, T18 (1), 69-73, |
| 28 | Study on characteristic of adsorbing Hg (lI) in aqueous solution of activated carbon denaturalized in potassium iodide | 2013 | Journal of Analytical Sciences, T18 (No.3), 22-28, |
| 29 | Investigation of immobilizing Zr(IV) on multiwall Carbon nanotubes for the treatment of Arsenic in water | 2014 | Journal of Analytical Sciences, T.19 (No 1), 2014, pp. 38-44. |
| 30 | Design and installation of Mercury Vapor Adsorption Equipment and Treatment model for Mercury Vapor in Exhaust Gases from Solid Waste Incineration and fluorence Lamps Recycling | 2014 | Journal of Sciences –VNU  , T.30, No. 5S, pp.14 - 21 |
| 31 | Investigation of Mercury Vapor Treatment by Activated Carbon Made from Coconut Shell and Denatured by Elemental Bromine | 2015 | EnvironmentAsia journal, Vol.8 No.2 |
| 32 | Investigation of the immobilization of Zr(IV) at low concentration on activated carbon by the hydrothermal method with NH3 medium for the adsorption of arsenic in water | 2015 | Vietnamese Journal of Science and Technology, T.2 (N0. 6), pp. 5-20. |

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| **Certification signature**  **of the employer** | *………., datemonthyear*  *27thMarch 2016*  **Signature of the lecturer** |

Do QuangTrung