**CURRICULUM VITAE**

Full name : Mr. Thanat Na-phatthalung

Date of birth : 10 December 1989

Place of birth : Trang, THAILAND

Nationality : Thai

Religion : Buddhism

Military status: Exempted, Reserved Officers’ Training

Corp Course (R.O.T.C.), 3 years

Marital status: Single

Home registration

certificate in THAILAND: House No. 202, Village No. 2, Banna Sub-district, Palian District, Trang 92140, THAILAND

Official address in

THAILAND: Department of Biotechnology, Faculty of Science and Technology,

Thammasat University, Rungsit Campus, Klongluang, Prathumtani 12121, THAILAND

Present address in

THAILAND : No.110/227 Porntaweechai Apartment, Sapan Mai Mansion Village, 69/1 Phaholyothin Lane, Phaholyothin Rd., Anusaowaree, Khet Bangkhen, Bangkok, 10220 THAILAND

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Facebook: <https://www.facebook.com/thanat.naphatthalung>

Line ID: 0820905996

**Educational Records**

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| Years | attended | Name and Place of Institution | Field of Study | Degree Obtained and GPA |
| from | to |  |  |  |
| 2015 | studying | Faculty of Science and Technology, Thammasat University, Prathumtani, THAILAND | Biotechnology | Ph.D. in Biotechnology  (studying) |
| 2013 | 2015 | Faculty of Science and Technology, Thammasat University, Prathumtani, THAILAND | Biotechnology | M.Sc. in Biotechnology,  GPA 3.45 |
| 2008 | 2012 | Faculty of Science and Technology, Thammasat University, Prathumtani, THAILAND | Biotechnology | B.Sc. in Biotechnology,  GPA 2.56 |
| 2005 | 2007 | Yantakhao Rattachanupatham School, Trang, THAILAND | High School Certificate | Science Program  GPA 3.60 |
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**Research Interests**

-Plant Viruses and Plants Virus Transmission (Especially Rice Viruses and Insect Vector)

-Plant Quarantine Pests (Especially Plant Viruses)

-Insect Cell Culture

-Biological Activity of Thai Herbal Extracts on Rice Viral Diseases and Cell Culture of the Insect Vectors

**Presentation**

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| --- | --- | --- |
| Year | Title | Place |
| 31 Aug 2012 | Preliminary Studies of Diversity of Nucleotide Sequences of *Rice ragged stunt virus* in The Central Plain of Thailand | The 10th Symposium on Science and Technology, Faculty of Science and Technology, Thammasat University, Prathumtani, THAILAND |
| 12 Dec 2013 | Setting up a Reverse Transcription- Polymerase Chain Reaction (RT-PCR)  for *Rice ragged stunt virus* | Scientific Meeting, The 50th Anniversary of Department of Microbiology, Faculty of Medicine Siriraj Hospital, Mahidol University, Bangkok, THAILAND |
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**Training Experience**

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| Year | Experience | Place |
| 2010 | Laboratory tests : Rota Ag, HSV infected cell Ag, CMV infected cell Ag, Respiratory virus Ag (Panel), Influenza (A,B) Ag, Cell culture and IFA | Virology Laboratory Unit, Deptment of Microbiology, Faculty of Medicine, King Chulalongkorn Memorial Hospital, Chulalongkorn University, Bangkok, THAILAND |
| 2011-2012 | Rice viruses, Plant RNA extraction methods, molecular biology technique (One-Step RT-PCR) | Bacteriology and Virology Laboratory, Bureau of Rice Research and Development, Rice Department, Bangkok, THAILAND |
| 2013-2014 | Rice viruses, Dot-Immunobinding Assay (DIBA) Technique | Bacteriology and Virology Laboratory, Bureau of Rice Research and Development, Rice Department, Bangkok, THAILAND |
| 21-22 Fab. 2016 | Workshop on High-Performance Liquid Chromatography, Techniques and Tools for Software Analysis (Shimadzu HPLC systems) | Central Scientific Instrument Center, Faculty of Science and Technology, Thammasat University, Prathumtani, THAILAND |
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**Research Experience**

2011 – 2012 1. Transmission of *Rice ragged stunt virus* (RRSV) by the Insect Vectors (Brown Planthopper, *Nilaparvata lugens*)

2. Detection of *Rice ragged stunt virus* (RRSV) in Infected TN1 Rice Plants by One-Step Reverse Transcription-Polymerase Chain Reaction (One-Step RT-PCR)

3. Preliminary Studies of Nucleotide Sequence Diversity of *Rice ragged stunt virus* (RRSV) in the Central Plain of Thailand

*(Research* *Place: Bacteriology and Virology Laboratory, Bureau of Rice Research and Development, Rice Department, Bangkok, THAILAND)*

2013 – 2014 1. Detection of *Rice ragged stunt virus* (RRSV) in Plant Sap by Dot- immunobinding Assay

2. Detection of the Minimum Infected Time of *Rice ragged stunt virus* (RRSV) Infected Rice by One-Step RT-PCR and DIBA Technique

*(Research* *Place: Bacteriology and Virology Laboratory, Bureau of Rice Research and Development, Rice Department, Bangkok, THAILAND)*

**Publications**

***1. Manuals, Books and Texts:***

1 **Na-phatthalung T**. The Answer of Health Measures, In: J. Meangchana (Ed.), Vaccine in Dream : The Miracles of Life. National Vaccine Institute (Public Organization), Sahamit Printing and Publishing, Thailand; 2015: pp.38-45. *(Thai language)*

***2. Journal Publications:***

***2.1 Review Articles:***

1 **Na-phatthalung T**, Tangkananond W, Rattanakarn W. Plant Quarantine of the Kingdom of Thailand *(Ep.1)*. Science (Journal of The Science Society of Thailand Under the Patronage of His Majesty the King). 2015;69(5):85-91. *(Thai language)*

2 **Na-phatthalung T**, Tangkananond W, Rattanakarn W. Plant Quarantine of the Kingdom of Thailand *(Ep.2)*. Science (Journal of The Science Society of Thailand Under the Patronage of His Majesty the King). 2015;69(6):84-91. *(Thai language)*

3. **Na-phatthalung T**, Tangkananond W, Rattanakarn W. The Application Reverse Transcription- Polymerase Chain Reaction for Diagnosis the Important Plant Viruses in Thailand and Plant Quarantine Pests under The Plant Quarantine Act B.E. 2507 amended by Plant Quarantine Act (No.2) B.E. 2542 and (No.3) B.E. 2551. *(Papers to be submitted)*

4. **Na-phatthalung T**, Tangkananond W, Rattanakarn W. Brown Planthopper : The Important Insect Pests for Transmission of *Rice ragged stunt virus* (RRSV) and Agricultural Sustainably Management *(Papers to be submitted)*

***2.2 Research Articles:***

1. **Na-phatthalung T**, Tangkananond W, Rattanakarn W. The Application of Chlorophyll Absorbents for Detection of Rice ragged stunt virus in Plant Sap by Dot- immunobinding Assay *(Papers to be submitted)*

***3. Conference Proceedings and Abstracts:***

1 **Na-phatthalung T**, Rattanakarn W, Tangkananond W. Comparison of Three Total RNA Extraction Methods of *Rice ragged stunt virus* (RRSV) from Infected Rice. Proceeding of the The 3rd Thailand National Research Universities Summit (NRU Summit III) : Prelude to World Class University, July 31-August 1, 2014. Bangkok Convention Center, Centara Grand at CentralWorld, Bangkok, Thailand; 2014: 536. *(ABSTRACT & Poster Presentation, English language)*

2 **Na-phatthalung T**, Rattanakarn W, Tangkananond W. The Minimum Infected Time for Detection and Diagnosis of *Rice ragged stunt virus* (RRSV)-Infected Rice by One-Step Reverse Transcription-Polymerase Chain Reaction (One-Step RT-PCR) and Dot- Immunobinding Assay (DIBA) Technique. Proceeding of the The 5th International Silpakorn Graduate Study Conference 2015 (IGSC2015) “Creative Education: Intellectual Capital toward ASEAN” on July 16-17, 2015, The Princess Maha Chakri Sirindhorn Anthropology Centre, Bangkok, Thailand; 2015:757-768. *(English language)*

***4. The Other Publications:***

***5. Report, Thesis and Working Papers:***

1. **Na-phatthalung T**. Comparison of One-Step RT-PCR and DIBA for diagnosis of *Rice ragged stunt virus*: Department of Biotechnology, Faculty of Science and Technology, Thammasat University; 2014: 1-193. *(M.Sc. in Biotechnology Thesis, Thai language)*

**Awards and Certificates:**

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| Year | Awards and Certificates | Organisation |
| 2015 | Complimentary Award and Certificate of Essay Competition in the Topic “Vaccine in Dream”, The General Public Level | National Vaccine Institute (Public Organization), THAILAND |
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**Scholarships and Research Grants Received**

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| --- | --- | --- |
| Year | Scholarships | Organisation |
| 2013 | Scholarship for the Graduate Student | Thammasat University, THAILAND |
| 2015 | Thammasat University Research Fund under the TU Research Scholar, Contract No. 31/2015 | Research Administration Division, Thammasat University, THAILAND |
| 2015 | Thesis Grants for the Publication, Graduate Student, Academic Year 2014 (No.3) | Thammasat University, THAILAND |
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**Recent Employment Records**

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| Years of service | | Name and Place of  Employer /Organisation | Title of Position | Type of Work |
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