LÝ LỊCH KHOA HỌC

1. Thông tin cá nhân

Họ và tên:	Trưởng A Tài	**Năm sinh:**	17/06/1988
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2. Quá trình đào tạo

Thời gian	Tên cơ sở đào tạo	Chuyên ngành	Học vị
9/2007 - 6/2011	Trường Đại học Khoa học Tự nhiên - Đại học Quốc gia Hà Nội	Vi sinh vật học	Cử nhân
9/2012 - 12/2014	Trường Đại học Khoa học Tự nhiên - Đại học Quốc gia Hà Nội	Động vật học	Thạc sĩ
3/2017 - 2/2020	Đại học Kyonggi, Hàn Quốc	Sinh học phân tử, tế bào	Tiến sĩ

3. Quá trình công tác

Thời gian	Cơ quan công tác	Địa chỉ	Chức vụ
2012 - Nay	Trường Đại học Khoa học - Đại học Thái Nguyên	Phường Tân Thịnh, Thành phố Thái Nguyên, Tỉnh Thái Nguyên	Giảng viên
3/2020 - 12/2023	Trung tâm kiểm dịch Động vật và Thực vật - Bộ Nông, Lâm, Ngư nghiệp, Hàn Quốc	177, Hyeoksin 8-ro, Gimcheon-si, Gyeongsangnam-do, Hàn Quốc	Nghiên cứu sau tiến sĩ

4. Các hướng nghiên cứu

- Protein tái tổ hợp, kháng thể đơn dòng ứng dụng trong phát triển vaccine và kit chẩn đoán bệnh ELISA.

- Sinh học phân tử, di truyền ứng dụng trong phát triển kít chẩn đoán bệnh sử dụng PCR, xây dựng cơ sở dữ liệu di truyền và xác định mối quan hệ di truyền ứng dụng trong việc xác định nguồn gốc và truy vết các tác nhân gây bệnh trên động vật và người.
- Xác định mức độ kháng thuốc của các tác nhân gây bệnh trên vật nuôi và phát triển phương pháp điều trị an toàn, thân thiện với môi trường như sử dụng thảo dược, probiotic, liệu pháp gen (RNA interference) và đấu tranh sinh học.

5. Kết quả nghiên cứu đã công bố

5.1. Tạp chí thuộc danh mục WoS (ISI)

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2) Nguyen TT*, Yoo MS*, **Truong AT***, Youn SY, Kim DH, Lee SJ, Yoon SS, Cho YS. 2024. Prevalence and Genome Features of Lake Sinai Virus Isolated from *Apis mellifera* in the Republic of Korea. *PlosOne*. *the authors equally contribute to the word
3) Nguyen TT*, Yoo MS*, **Truong AT***, Lee JH, Youn SY, Lee SJ, Kim DH, Yoon SS, Cho YS. 2023. First identification of *Tyrophagus curvipenis* (Acari: Acaridae) and pathogen detection in *Apis mellifera* colonies in the Republic of Korea. *Scientific Report* 13(1), 9469 *authors have equal contribution
4) **Truong AT**, Kang JE, Yoo MS, Nguyen TT, Youn SY, Kim DH, Hwang TJ, Yoon SS, Cho YS. 2023. Probiotic candidates for controlling Paenibacillus larvae, a causative agent of American foulbrood disease in honey bee. *BMC Microbiology* 23, 150.
5) Yoo MS*, **Truong AT***, Jeong H, Hahn DH, Lee JS, Yoon SS, Cho YS. 2023. Large-scale application of double-stranded RNA shows potential for reduction of sacbrood virus disease in *Apis cerana* apiaries. *Viruses* 15, 897. *both authors have equal contribution
6) **Truong AT**, Yoo MS, Seo SK, Hwang TJ, Yoon SS, Cho YS. 2023. Prevalence of honey bee pathogens and parasites in South Korea: A five-year surveillance study from 2017 to 2021. *Heliyon*; e13494
7) **Truong AT**, Youn SY, Yoo MS, Lim J, Yoon SS, Cho YS. 2022. Genotyping of Coxiella burnetii from cattle by multispacer sequence typing and multiple locus variable number of tandem repeat analysis in the Republic of Korea. Genes 13, 1927.
8) **Truong AT**, Yoo MS, Min S, Lim JY, Seo HJ, Kim HC, Chong ST, Klein TA, Park CU, Cho SY, Choi CY, Kwon YS, Kim M, Yoon SS, Cho YS. 2022. *Toxoplasma gondii* and *Rickettsia* spp. in ticks

collected from migratory birds in the Republic of Korea. *Scientific Report; 12:12672*

9) **Truong AT**, Kim S, Yoon B. 2022. Determination of honey adulterated with corn syrup by quantitative amplification of maize residual DNA using ultra-rapid real-time PCR. *Journal of the Science of Food and Agriculture*; 102(2):774-781.
10) **Truong AT**, Yun BR, Yoo MS, Lim J, Min S, Yoon SS, Yun YM, Kim JT, Cho YS. 2022. Utility of ultra-rapid real-time PCR for detection and prevalence of *Rickettsia* spp. in ticks. *BMC Veterinary Research*; 18(1):199.
11) **Truong AT**, Yoo MS, Cho YS, Yoon B. 2022. Identification of Seasonal Honey Based on Quantitative Detection of Typical Pollen DNA. *Applied Sciences*; 12:4846
12) **Truong AT**, Yoo MS, Yun BR, Kang JE, Noh J, Hwang TJ, Seo SK, Yoon SS, Cho YS. 2022. Prevalence and pathogen detection of *Varroa* and *Tropilaelaps* mites in *Apis mellifera* (Hymenoptera, Apidae) apiaries in South Korea. *Journal of Apicultural Research* (Ahead-of-print); 1-9. DOI: 10.1080/00218839.2021.2013425
13) Yun BR*, **Truong AT***, Choi YS, Lee MY, Kim BY, Seo M, Yoon SS, Yoo MS, Quyen DV, Cho YS. **2022.** Comparison of the gut microbiome of sacbrood virus-resistant and -susceptible *Apis cerana* from South Korea. *Scientific Report;* 12:10010; *both authors have equal contribution
14) Yoo MS, **Truong AT**, Choi YS, Hong KJ, Hwang TJ, Seo SK, Seo HJ, Jung S, Yoon SS, Cho YS. 2022. Pathogen detection and phylogenetic analysis of *Aethina tumida* Murray in South Korea. *Journal of Apicultural Science;* 66(1):45-55.
15) Seo HJ, **Truong AT,** Kim KH, Lim JY, Min S, Kim HC, Yoo MS, Yoon SS, Klein TA, Cho YS. 2021. Molecular Detection and Phylogenetic Analysis of Tick-Borne Pathogens in Ticks Collected from Horses in the Republic of Korea. *Pathogens*; 10:1069.
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19) **Truong AT**, Kim B, Kim S, Kim M, Kim J, Kim S, Yoon B. 2019. Rapid detection of Israeli acute paralysis virus using multi-point ultra-rapid real-time PCR (UR-qPCR). *Jourrnal of Apicultural Research*; 58(5):746-753.
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5.2. Tạp chí quốc tế khác

22) **Truong AT**, Kim S, Yoo MS, Cho YS, Yoon BS. 2021. Susceptibility of *Apis mellifera* Larvae of Different Ages to Infection from *Melissococcus plutonius*, an European Foulbrood Disease-causing Pathogen. *Journal of Apiculture*; 36(2): 47-54.

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5.3. Tạp chí trong nước

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5.4. Hội thảo

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37) Sacbrood virus (SBV) genotypes detection by Ultra-Rapid Real-time PCR. The 32th Conference of the Apicultural Society of Korea, 2017

38) Accurate identification of Israeli acute paralysis virus by multi detection points using ultra-rapid real-time PCR. The 33th Conference of the Apicultural Society of Korea, 2018

39) Quantitative detection of *Nosema ceranae* using ultra-rapid real-time PCR and microscopic method. The 34th Conference of the Apicultural Society of Korea, 2018

40) Amplification of Maize residual DNA in honey using ultra-rapid real-time PCR allows the detection of honey sample adulterated with various ratios of corn syrup sugar. The 35th Conference of the Apicultural Society of Korea, 2019

41) Identification of seasonal honey by specific detection of typical plant compositions. The 36th Conference of the Apicultural Society of Korea, 2019

42) Development of detection method as point-of-care using Ultra-rapid PCR and immunochromatography against 11 major pathogens in honeybee. 46th Apimondia, international Apicultural congress, Quebec, Canada, 2019

43) High level of sequence-variation in Sacbrood virus (SBV) from *Apis mellifera.* The 32th Conference of the Apicultural Society of Korea, 2017

44) Degenerated PCR under short time of each step using ultra-rapid real-time PCR. The 33th Conference of the Apicultural Society of Korea, 2018

45) Development of quantitative nested Ultra rapid real time PCR assay for genotyping Sacbrood virus from honeybee in Korea. The 34th Conference of the Apicultural Society of Korea, 2018

46) Generation of monoclonal antibody for *Nosema ceranae* detection. The 35th Conference of the Apicultural Society of Korea, 2019
47) Direct amplification of residual DNA in honey for nectar source identification. The 36th Conference of the Apicultural Society of Korea, 2019
48) On-site detection and infection rate of *Coxiella burnetii* in livestock ticks by Ultra-rapid Chip-based PCR, the 62th annual meeting of The Korean Society for Parasitology and Tropical medicine, 2020.
49) Infection rate of *Rickettsia* spp. in ticks detected by Ultra-rapid chip-based PCR. Conference of the Korean Society of Veterinary Science KSVS, 2020
50) Selection of prospective recombinant antigens for indirect ELISA detection of anti-*Coxiella burnetii* antibody in multi-species. Symposium of The Korean Society of Veterinary Science, 2021
51) Development of indirect ELISA for detection of anti-*Coxiella burnetii* antibody in multi-host species using recombinant Com1 Protein. Symposium of The Korean Society of Veterinary Science, 2021
52) Genotyping of Sacbrood virus in *Apis cerana* and *Apis mellifera* in the Republic of Korea. The 38th Conference of the Apicultural Society of Korea, 2021
53) Prevalence of *Coxiella burnetii*, African swine fever virus, *Francisella tularensis*, *Richeesia* spp., and Powassan virus in ticks collected from animals in Korea. Symposium of The Korean Society of Veterinary Science, 2021
54) Enzyme-linked immunosorbent assay for antibody detection of Toxoplasma gondii using SAG1, GRA1, BAG1, and GRA7. Symposium of The Korean Society of Veterinary Science, 2021
55) Putative genotypes of Sacbrood virus in *Apis cerana* and *Apis mellifera* in Korea. Symposium of The Korean Society of Veterinary Science, 2021
56) Mutation rate and phylogeny of Sacbrood virus in *Apis cerana* and *Apis mellifera* in Korea. The Korean Society of Veterinary Science, 2021
57) Prevalence of *Coxiella burnetii*, African swine fever virus, Francisella tularensis, Richeesia spp., and Powassan virus in ticks collected from animals in Korea. The Korean Society of Veterinary Science, 2021
58) Prevalence of honey bee pathogens and parasites in South Korea: A five-year surveillance study from 2017 to 2021. The 38th Korean Apiculture Society Summer Conference, 2022
59) Updating genomic database of Sacbrood virus in South Korea. The 38th Korean Apiculture Society Summer Conference, 2022
60) Genotyping of Sacbrood virus in *Apis cerana* and *Apis mellifera* in the Republic of Korea. The 38th Korean Apiculture Society Winter Conference, 2022
61) *Toxoplasma gondii* and *Rickettsia* spp. in ticks collected from migratory birds in South Korea. The

29th conference of the Korean Association of Basic Medical Scientist, 2022.

62) Genotyping of *Coxiella burnetii* from cattle by multispacer sequence typing and multiple locus variable number of tandem repeat analysis in the Republic of Korea. Aplication of Big-data and AI in veterinary medicine, The Korean Society of Veterinary Science, spring conference 2022
63) Prevalence of honey bee pathogens and parasites in South Korea: A five-year surveillance study from 2017 to 2021. Core strategy of veterinary medicine for the development of prescriptions and vaccines in post-corona era, The Korean Society of Veterinary Science, Autumn conference 2022
64) Detection of anti-*Coxiella burnetii* antibody in multi-species using recombinant antigens. Core strategy of veterinary medicine for the development of prescriptions and vaccines in post-corona era, The Korean Society of Veterinary Science, Autumn conference 2022
65) Prevalence of honey bee pathogens and parasites in South Korea: A five-year surveillance study from 2017 to 2021. The 47th Apimondia Congress, Istanbul, Turkey, 2022.
66) Genome analysis of virulent and non-virulent strains of Sacbrood virus from honey bee in South Korea. The 39th Korean Apiculture Society Winter Conference, 2023
67) Prevalence and molecular characterization of tick-borne Rickettsia species in South Korea. FEMS2023, Hamburg, Germany.
68) Varroa destructor resistance to tau-fluvalinate and amitraz miticides in South Korea. The 39th Korean Apiculture Society Summer Conference, 2023