Summary

I study biotechnology and focus on genetic biodiversity. My important duties are to evaluate and collect the sample during the investigation. With regard to high experience, I also solve immediately the problems by the way to give some incident reasons. Furthermore, the knowledgeable individual with amazing composure and ready to work in challenging environments. Seeking the opportunity or working the next laboratory in the future.

Work History

- Collected blood, tissue and other laboratory specimens and prepared for lab testing.
- Stored, analyzed and submitted marine organism samples.
- Recorded, reported and posted test results using software as required.
- Ensured purity of specimens collected through extraction methods.
- Collected and explored biodiversity level of some special organism species and evaluated the genetic diversity through bioinformatics software.
- Trained new student on sample processing and analyzing procedures
- Used Software about Photoshop, ArcGIS and Microsoft (Work, Excel, PowerPoint) to imaging process, digitize data, draw presentation charts, making videos and computer data manage.
- Data analysis experience in next generation sequencing (NGS)

Skills

- Software competency
- Analytical thinking
- Samples collecting
- Solution-based interventions
- Program management
- Fluent language (English)

Activity and Certifications (Attach if necessary)

- Omics and Bioinformatics Workshop in Silliman University Dumaguete Philippines
- Training workshop on next generation sequencing (NGS)
- Certificate of international presentation participation in Singapore, Thailand, Cambodia, Vietnam
- Certificate of appreciation for PEER Mekong region evidence to action workshop in Cambodia (USIAD)
- Training course in Norway about new technique was applied on parasite object cause disease on human
- Certificate of Hazard Analysis and Critical Control Points (HACCP), Vietnam

Publication

Article(s) in other international journals

1. Dang Thuy Binh, Vu Dang Ha Quyen, **Tran Quang Sang**, Truong Thi Oanh (2016). Vibriosis in cultured seahorse (*Hippocampus* spp.) in Khanh Hoa Province, Vietnam. Journal of Innovative Studies in Aquatic Biology and Fisheries (IJISABF), 2, pp. 43-50.

2. Dang BT, Rahman MA, **Tran SQ**, Glenner H (2019) Genome-wide SNP analyses reveal population structure of *Portunus pelagicus* along Vietnam coastline. PLoS ONE 14(11): e0224473. https://doi.org/10.1371/journal.pone.0224473

National/International Conference(s)

1. **Sang Q. Tran**, Binh T. Dang, Arne Levsen (2018). Species diversity, infestation and molecular phylogeny of *Anisakis* species (Nematoda: Anisakidae) from Tuna (Perciformes: Scombridae) in Khanh Hoa province, Vietnam, Proceedings of ISER 169th International Conference, Bangkok, Thailand, page 5-10, ISBN 978-93-88350-68-6.

2. Binh T. Dang, **Sang Q. Tran**, Oanh T.K. Le, Oanh T.T., Henrik Glenner (2018). Species diversity and phylogenetic relationships of symbiotic crustaceans on *Portunus pelagicus* (Linnaeus, 1758) in Vietnam, Proceedings of ISER 169th International Conference, Bangkok, Thailand, page 31-38, ISBN 978-93-88350-68-6.

3. **Tran Quang Sang**, Dang Thuy Binh, Lang Tan Dat (2017). *Hydroides elegans* (Polychaeta – Serpulidae) on *Charybdis variegata* – Preliminary study for ecological adaptation, International Conference On Conservation Genetics In Mekong River Basin, page 43.

4. Dang Thuy Binh, **Tran Quang Sang**, Arne Levsen (2017). Zoonotic parasites of wild and cultured catfish in vietnam – indications of host-switching and co-evolutionary adaptations, International Conference On Conservation Genetics In Mekong River Basin, page 29.

5. Le Thi Kieu Oanh, Đang Thuy Binh, **Tran Quang Sang**, Henrik Glenner (2017). Symbiont diversity of swimming crab (*Portunus pelagicus*) in different temperature regimes in Vietnam, International Conference On Conservation Genetics In Mekong River Basin, pages 44-45.

6. **Tran Quang Sang**, Dang Thuy Binh, Tran Thi Thanh Huyen, Arne Levsen (2017). Parasitic diversity on common freshwater fish in Vietnam, International Conference On Conservation Genetics In Mekong River Basin, page 35.

7. Dang Thuy Binh, Nguyen Truc Son, **Tran Quang Sang** (2017). Species diversity and DNA barcode of benthic crustacean (Decapoda) in central Vietnam, Sicence for blue growth in the South china sea, page 36.

8. Le Thi kieu Oanh, **Tran Quang Sang**, Dang Thuy Binh (2016). Composition of *Octolasmis* spp. species on the swimming crab (*Portunus pelagicus*) in Khanh Hoa, Conference of Biotechnology and Environment, Nha Trang University, page 12.

9. **Tran Quang Sang**, Dang Thi Kim Huong, Dang Thuy Binh (2016). Monogenea diversity on coral reef fish (Mullidae and Serranidae) in Khanh Hoa, Conference of Biotechnology and Environment, Nha Trang University, page 9.

10. Dang Thi Kim Huong, **Tran Quang Sang**, Dang Thuy Binh (2016). Parasite diversity on marine fish (Labridae and Siganidae) in Khanh Hoa, Conference of Biotechnology and Environment, Nha Trang University, page 20.

11. Nguyen Thi Kim Vy, Le Thi Kieu Oanh, **Tran Quang Sang**, Dang Thuy Binh (2016). Population genetic diversity of crustacean (*Octolasmis angulata*) on swimming crab (*Portunus pelagicus*) in Khanh Hoa, Conference of Biotechnology and Environment, Nha Trang University, page 18.

12. Dang Thuy Binh, Arne Levsen, **Tran Quang Sang**, Dang Nguyen Anh Tuan (2015). Comparative parasite fauna on culture and wild *Pangasianodon hypophthalmus* in Vietnam, implication for habitat and diet, International Conference on Biological, Environment and Food Engineering, Singapore, 978-93-84422-19-6, page 78.

13. **Tran Quang Sang**, Dang Nguyen Anh Tuan, Dang Thuy Binh (2015). First report of epizoitic species on striped catfish *Pangasianodon hypophthalmus* in Mekong delta, Conference of Aquaculture in no. 4, page 1-6.

14. Dang Nguyen Anh Tuan, **Tran Quang Sang**, Dang Thuy Binh (2015). Composition of parasites on some freshwater fish species in Khanh Hoa based on morphology and genetic characteristics, Conference of Aquaculture no. 4, page 1.

15. Dang Thuy Binh, Arne Levsen, Nguyen Nguyen Thanh Nhon, Vu Dang Ha Quyen, **Tran Quang Sang** (2014). Phylogeny of zoonotic parasites in fresh and brackish water fish in Vietnam, Book abstract of 9th symposium of Disaese in Asian Aquaculture, page 64.

Article(s) in national scientific journals

1. Nguyen Nguyen Thanh Nhon, Dang Thuy Binh, **Tran Quang Sang**, Nguyen Minh Chau, Pham Thi Hanh (2020). Microsatelite makers for separation Vietnam and Sri Lanka Spini Lobster (*Parulinus homarus*) populations, Science and Technology Journal of Agriculture and Rural Development, 5, ISSN 1859-4581, page 85-92.

2. Le Thi Kieu Oanh, Dang Thuy Binh, **Tran Quang Sang** (2018). Infestation status of the Pedunculate Barnacle (*Octolasmis* spp.) in blue Swimming Crabs (*Portunus pelagicus* Linnaeus, 1758) in Khanh Hoa, Journal of Malaria and Parasite Diseases Control, 104(2), page 93-98.

3. Le Thi Kieu Oanh, Dang Thuy Binh, **Tran Quang Sang** (2018). Infestation status of epizoic Barnacle *Octolasmis warwickii* on Blue swimming crab *Portunus pelagicus* at Khanh Hoa and Phu Yen provinces, Journal of Tropical Science and Technology, 15, pp. 34–41.

4. Dang Nguyen Anh Tuan, **Tran Quang Sang**, Dang Thuy Binh (2015). Parasite of Goatfishes (*Parupeneus* spp.) in Khanh Hoa province, Vietnam, preliminary results, Journal of Fisheries Science andTechnology, page 10-15.

5. Dang Thuy Binh, **Tran Quang Sang**, Dang Nguyen Anh Tuan (2015). Digenean diversity of reef fishes in Khanh Hoa province, Vietnam, Journal of Fisheries Science and Technology, page 23-28.

6. Dang Thuy Binh, **Tran Quang Sang**, Dang Nguyen Anh Tuan (2015). Parasite diversity of clowfish in Khanh Hoa province, Vietnam, Journal of Biotechnology, 1811-4989, 13(4A), page 1223-1229.

Additional Information

- **List attended of research projects**

1. Riverscape Genetics to Inform Natural History of Exploited Fishes in the Lower Mekong River Basin
Funding institution & funded amount: USAID and NSF
Project duration: 2017 - 2020
Position/ role in the project: Technician

2. Advanced Genomic Support for Management Decisions in the 3-S River Basin
Funding institution & funded amount: USAID and NSF
Project duration: 2013 - 2017
Position/ role in the project: Technician

3. Parasite risk assessment with integrated tools in EU fish production value chains
Funding institution & funded amount: USAID and NSF
Project duration: 2014 - 2017
Position/ role in the project: Technician