

Institute of Biosciences

Name : Norfarrah Mohamed Alipiah
Position : Research Officer
Email : norfarrah@upm.edu.my
Tel : 03-97692233
Field of expertise : Systems Biology



Research Interests:

My research interest primarily directed at understanding molecular function and regulation by exploring RNA biology of host-microbe interaction. The insight from this investigation can provide clues to how molecular regulation and mechanism of responses in living systems eventually lead to organism's capacity to adapt diverse environment.

List of Publications: H index = 4

1. Noor, N. M.; Defoirdt, T.; **Norfarrah, M. A.**; Murni, K.; Daud, H.; Natrah, I., Quorum sensing is required for full virulence of *Vibrio campbellii* towards tiger grouper (*Epinephelus fuscoguttatus*) larvae. *Journal of Fish Diseases* 2019, 42 (4), 489-495.
2. Abdoulie, C.; Mariana-Nor, S.; Mohammed, A.-P.; Intan-Safinar, I.; Muhammad-Farhan, N.; **Norfarrah, M. A.**, Extraction and Characterization of Organ Components of the Malaysian Sea Cucumber *Holothuria leucospilota* Yielded Bioactives Exhibiting Diverse Properties. *BioMed Research International* 2019.
3. **Norfarrah, M. A.**; Ramli, N. H. S.; Low, C.-F.; Shamsudin, M. N.; Yusoff, F. M., Protective effects of sea cucumber surface-associated bacteria against *Vibrio harveyi* in brown-marbled grouper fingerlings. *Aquaculture Environment Interactions* 2016, 8, 147-155.
4. Aslizah, M. A.; Ina-Salwany, M. Y.; Mohd-Zamri, S.; Hassan, M.-D.; **Norfarrah, M. A.**, Molecular characterization of *Vibrio harveyi* virulence- associated serine protease and outer membrane protein genes for vaccine development. *International Journal of Biosciences* 2016, 8 (3), 10 - 28.
5. **Norfarrah, M. A.**; Mariana-Nor, S.; Fatimah, M. Y.; Arshad, A., Membrane biosynthesis gene disruption in methicillin-resistant *Staphylococcus aureus* (MRSA) as potential mechanism for reducing antibiotic resistance. *Indian journal of microbiology* 2015, 55 (1), 41-49.
6. Ceesay, A., Shamsudin, M.N., **Norfarrah, M. A.**, Ismail, I.S, Biodiversity and adaptability of *Holothuria leucospilota* and *Stichopus japonicus* sea cucumber species in artificial environment. *Journal of Aquaculture Research and Development* 2012, 3 (2).
7. Mariana, N.; Nik, K.; Neela, V.; **Norfarrah, M. A.**; Zamberi, S., In vivo evaluation on Malaysian coastal isolates of *Gracilaria changii* and *Stichopus badiotus* through heat-burn methicillin-resistant *Staphylococcus aureus* (MRSA) infection animal model. *African Journal of Microbiology Research* 2011, 5 (12), 1379-1382.
8. Al-Haj, N. A.; Shamsudin, M.; **Norfarrah, M. A.**; Zamri, H.; Ahmad, B.; Siddig, I.; Rasedee, A., Characterization of *Nigella sativa* L. essential oil-loaded solid lipid nanoparticles. *American Journal of Pharmacology and Toxicology* 2010, 5 (1), 52-57.
9. Mariana, N.; **Norfarrah, M. A.**; Yusoff, F.; Arshad, A., Selective in vitro activity of marine extract on genes encoding membrane synthesis of methicillin resistance *Staphylococcus aureus*. *Biotechnology* 2009, 8 (1), 180-183.
10. Mariana, N.; **Norfarrah, M. A.**; Nik, K.; Yusoff, F.; Arshad, A., Evaluating the antibacterial activity and in vivo assay of methanolic extract of *Stichopus badiotus*. *International Journal of Pharmacology* 2009, 5 (3), 228-231.

List of Grants:

Project Leader, High Immunity Breeds Selection of *Epinephalus fuscoguttatus* (tiger grouper) Fingerlings against Vibriosis through Transcriptome Array Assessment (2012 – 2014) - ScienceFund, MOSTI

Project Leader, Active Molecules of Microbial Consortia Isolated from Potential Invertebrates (2010 – 2012) - UPM Research University Grants Scheme (RUGS)