

Potential interference of fungal endophytes in Vanilla planifolia on vanilla flavor compounds biosynthesis Khoyratty, S.

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Appendices

Curriculum Vitae

Shahnoo Khoyratty was born on the 08/06/1981 in Rose-Hill, Republic of Mauritius. He grew up in the capital (Port-louis) and later at Beau-Bassin. As from June 2011, he is conducting a PhD at Universiteit Leiden (Netherlands) and Universite de la Reunion (France) funded by the Regional Council of Réunion - France and the Nederlands-Frans Netwerk for a scholarship and EOLE bursary respectively. A summary of his qualifications, work experiences and skills he acquired are described below.

- <u>- Qualifications: Year 1999:</u> Graduated at John Kennedy College (Mauritius) for the higher school certificate of the University of Cambridge Local Examinations Syndicate (United Kingdom); [A] 2003: Graduated BSc. (Honours) Horticulture with specialization in Plant Biotechnology from the University of Mauritius. Gold medalist; [B] 2008: Graduated M.Phil (by research Thesis based) from the University of Mauritius. Awarded Tertiary Education Commission (TEC) scholarship.
- Work experience: [C] Year 2001: Agricultural Research and Extension Unit (AREU), Plant Pathology Department, Mauritius; [D] 2002: SSR National Botanical Garden, Pamplemousses, Mauritius; [E] 2003: ENVIROPAK project, part of European Commission programme under the International Cooperation Programme (INCO); [F] 2003/2004: Ministry of Agriculture, Food Technology and Natural Resources, Tissue culture laboratory, Mauritius; [G] 2005: EMBRAPA-CENARGEN, Brasilia, Brazil, Project: MusaGeneBR Identification and function characterization of resistance genes and promoters from banana (Musa spp.); [H] 2007/2008: Researcher, University of Mauritius/University of Reunion, Project funded by France: "Valorisation et maintien de la biodiversité des Lomatophyllum sp. des Îles des Mascareignes."; [I] 2008: University of Mauritius, Teaching assistant, Practical Biochemistry, Practical Tissue Culture; [J] 2008/2011: University of Mauritius, Full time lecturer; [K] 2012: National Museum of Natural History, Paris, France; [L] 2013 and 2016: University of Réunion (France), Parttime Lecturer (Chargés d'Enseignement Vacataires CEV).
- Acquired biology based skills only here: Plant science (From above [A][B][D] mainly); Biotechnology [A], Molecular Biology [B][K], Fungal Pathology/Microbiology [B][C], Genetic Engineering [G], Sequencing and post processing [G], Biochemistry [A][I][J][L], Food science [E], Metabolomics [H][L], Bioinformatics [B], Tissue Culture [A][F][G].

List of publications

Publications (In connection to thesis):

- **Khoyratty S.**, Kodja H., Verpoorte R. (2018) Vanilla flavor production methods: A review. *Industrial Crops & Products* **125:**433–42 Accepted for publication
- Khoyratty S., Choi Y.H., Dupont J., Verpoorte R., Kodja H. (2016) Host and Guest: Vanilla Inhabited by Endophytes. In: Mérillon J., Ramawat K.G. (Eds.) Fungal Metabolites. *Springer International Publishing*. Switzerland. pp 1-28 Accepted for publication
- Kodja H., Noirot M., **Khoyratty S.**, Limbada H., Verpoorte R., Palama T.L. (2015) Biochemical characterization of embryogenic calli of *Vanilla planifolia* in response to two years of thidiazuron treatment. *Plant Physiology and Biochemistry* **96:**337-44 Accepted for publication
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- **Khoyratty S.**, Verpoorte R., Choi Y.H., Kodja H. Analysis of volatiles from vanilla pod media after vanilla fungal endophyte growth In preparation
- **Khoyratty S.**, Verpoorte R., Kim H.K., Govinden-Soulange J., Kodja H., Choi Y.H. Do Vanilla fungal endophytes participate in the vanillin biosynthesis? In preparation
- **Khoyratty S.**, Choi Y.H., Kodja H., Palama T.L., Verpoorte R. Changes in phenolic, amino acid and carbohydrate contents in axenic *Vanilla planifolia* plant materials after co-culture with fungal endophytes In preparation

Publications (Others, all accepted):

- **Khoyratty S.**, Pillay M., Jaufeerally-Fakim Y. (2012) Polymorphism at selected defence gene analogs (DGAs) of *Musa* accessions in Mauritius. *African Journal of Biotechnology* **11**, 11207-11220.
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- Ranghoo-Sanmukhiya M., Govinden-Soulange J., Lavergne C., **Khoyratty S.**, Da Silva D., Frederich M., Kodja H. (2010) Molecular biology, Phytochemistry and Bioactivity of Three Endemic *Aloe* Species from Mauritius and Réunion Islands. *Phytochemical Analysis* **21**, 566-574.

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- **Khoyratty S.**, Souza M.T. Jr, Jaufeerally-Fakim Y. (2008) Structural Analysis of Catalase from Two *Musa* Accessions, FHIA18 and Williams, and from *Ravenala madagascariensis*. *In Silico Biology*. **8**, 413-25.
- Puchooa D., **Khoyratty S.** (2004) Genomic DNA Extraction from *Victoria amazonica*. *Plant Molecular Biology Reporter* **22**, 195a-j.