

Krithika Ravi

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EDUCATIONAL QUALIFICATIONS

- 2015-2019 : PhD, Chemical Engineering, Lund University.
Title – Towards bacterial valorization of low molecular weight lignin.
Advisor: Prof. Gunnar Liden, Lund University, Sweden.
- 2013-2015 : M. Tech. **(9.66/10)**, Pulp and Paper Engineering, Indian Institute of Technology, Roorkee.
Qualified GATE 2013 **(92.55 percentile)**.
Master thesis: Technische Universitat Dresden, Germany (Sep. 2014 to Mar. 2015)
Title: Improving adsorption deinking by identifying the optimum balance between polymer beads and deinking chemistry.
Advisor: Prof. Dr.-Ing. Harald Grossmann, TU Dresden, Germany.
- 2009-2013 : B. Tech. **(8.57/10)**, Biotechnology, Rajalakshmi Engineering College, Anna University, Chennai.

KEY PUBLICATIONS

- Abdelaziz OY, **Ravi K**, Mittermeier F, Meier S, Riisager A, Lidén G, Hulteberg CP (2019) Oxidative Depolymerization of Kraft Lignin for Microbial Conversion. **ACS Sustainable Chemistry & Engineering** doi:10.1021/acssuschemeng.9b01605
- **Ravi K**, García-Hidalgo J, Brink DP, Skyvell M, Gorwa-Grauslund MF, Lidén G (2019) Physiological characterization and sequence analysis of a syringate-consuming Actinobacterium. **Bioresource Technology** 285:121327 doi:10.1016/j.biortech.2019.121327
- **Ravi K**, Abdelaziz OY, Nöbel M, García-Hidalgo J, Gorwa-Grauslund MF, Hulteberg CP, Lidén G (2019) Bacterial conversion of depolymerized Kraft lignin. **Biotechnology for Biofuels** 12(1):56 doi:10.1186/s13068-019-1397-8
- **Ravi K**, Garcia-Hidalgo J, Nobel M, Gorwa-Grauslund MF, Liden G (2018) Biological conversion of aromatic monolignol compounds by a *Pseudomonas* isolate from sediments of the Baltic Sea. **AMB Express** 8(1):32 doi:10.1186/s13568-018-0563-x
- **Ravi K**, Garcia-Hidalgo J, Gorwa-Grauslund MF, Liden G (2017) Conversion of lignin model compounds by *Pseudomonas putida* KT2440 and isolates from compost. **Appl Microbiol Biotechnol** 101(12):5059-5070 doi:10.1007/s00253-017-8211-y

KEY AWARDS AND RECOGNITIONS

- Awarded as the 'bästa doktorandpresentation vid Ekmandagarna 2019' with a prize of 50,000 SEK (Swedish krona) as travel scholarship.
- Awarded as 'the best science slam speaker' during an alumni event, held at the Department of Chemical Engineering, Lund University (Sep 2018).

- Obtained “Spathaspora Hagerdaliae” award for excellent research in renewable resources with a prize of 20,000 SEK (May 2018).