

Sébastien LEVENEUR
Age: 46 years old
Married, 2 children
Nationality: French
Associate Professor at INSA Rouen

+33 (0)6 18 84 48 59
ORCID ID: 0000-0001-9528-6440
Scopus Author ID: [18836607200](https://orcid.org/0000-0001-9528-6440)
Reviewing: <https://www.webofscience.com/wos/author/rid/F-2833-2018>
: <https://www.insa-rouen.fr/recherche/chercheurs/sleveneur>
 sebastien.leveneur@insa-rouen.fr

Summary

- **Research activities:** biomass valorization, process intensification, thermal safety of chemical process & calorimetry and kinetic modeling.

I tried to unravel the reactivity of chemical processes (essentially from biomass valorization) by developing robust and reliable kinetic models including structure-reactivity, solvent effect and heat-flow rates using experimental data. Then, I use these models process flow simulators for cost and risk analysis.

- **Supervision:** 3 post-doctoral theses, 1 Research Engineer, 19 doctoral theses (15 defended), 25 master's & 25 bachelor theses

- **Scientific communication:** 121 articles, 1 book chapter, 1 Plenary lecture, 8 keynote lectures, 71 oral and 44 poster presentations in international symposia

Metrics: Total citation: 2500 and H-index: 30 (Scopus April 2025)

- **Awards:** Best poster presentation at SFGP XIV

Bonus for scientific excellence *Prime d'encadrement doctoral et de recherche (PEDR)* (2013-2017 ; 2017-2021 ; 2021-2025)

I&EC Research's 2022 Class of Influential Researchers ([Announcing the 2022 Class of Influential Researchers—Europe, Middle East, and Africa | Industrial & Engineering Chemistry Research \(acs.org\)](https://www.industryresearch.org/news/announcing-the-2022-class-of-influential-researchers-europe-middle-east-and-africa))

World's Top 2% Scientist 2023, 2024: <https://topresearcherslist.com/Home/Profile/926917>

I&EC Research's 2024 Editorial—[Excellence in Review Awards 2024](#)

I. Current position & responsibilities

Since September 2010: Associate-Professor at INSA & **since February 2015:** Docent at Åbo Akademi in chemical process technology.

The docentship is a title allowing me to give some courses and supervise some PhD students at Åbo Akademi.

Administrative tasks and memberships in committees

2018-: In charge of the international office (INSA Rouen) for Europe

2018-2023: Representing INSA group for Research and Innovation at The European Consortium of Innovative Universities (ECIU). Involved in WP2 Research of the European University ECIU.

2018-: Co-animator of the working party “Promotion of chemical engineering” (SFGP)

2016-: Member of the scientific committee of the French Chemical Engineering Society (SFGP)

2023-2027: Elected management board (*conseil d'administration*) of COMUE Normandie that gather all higher-education universities and schools (*école*) of Normandy.

2018-2022; 2022-2026: Elected management board (*conseil d'administration*) of INSA Rouen

2012-2018: Curriculum designer at the Risk management department (INSA Rouen)

2014-2020: Member of the section EFCE Section on Sustainability

Editorial board members

- Since 2023**, Editorial board member team of International Journal of Chemical Kinetics (<https://onlinelibrary.wiley.com/page/journal/10974601/homepage/editorialboard.html>) (Impact factor of 1.5 in 2022)
- Since 2023**, International Editorial Boards for Journal of Chemical Engineering Research Progress ([Editorial Team \(bcrec.id\)](https://www.bcrec.id/))
- Since 2019**, associate editor for Frontiers In Chemical Engineering ([Frontiers in Chemical Engineering | Editorial board](https://www.frontiersin.org/journal/10.3389/fchem))
- Since 2021**, Topical Advisory Panel Member of Catalyst-MDPI (*Impact factor 3.9 in 2022 and Q3 in chemistry, physical*) https://www.mdpi.com/journal/catalysts/topical_advisory_panel?search=leveneuer
- Since 2020**, Editorial Board Members for Processes (MDPI) ([Processes \(mdpi.com\)](https://www.mdpi.com/journal/processes)) (*Impact factor 3.5 in 2022 and Q2 in engineering, chemical*)
- Reviewer** (<https://www.webofscience.com/wos/author/rid/F-2833-2018>) (> 400 reviewed)

II. Education

2015 “Habilitation à diriger des Recherches HDR” from “Université de Rouen” (France)
Process intensification Multiphase reactor system and multiple reactions: the use of H₂O₂ in the valorisation of biomass and CO₂.

2009 Chemical Engineering doctor with honor and European label, a joint degree programme between Åbo Akademi University & INSA of Rouen.
Catalytic synthesis and decomposition of peroxydicarboxylic acids
Supervisor: Tapio Salmi

2008 Licentiate thesis: Catalytic synthesis and decomposition of peroxypropionic acid

2004 Master’s Degree in Chemistry and Chemical Engineering. INSA of Rouen
Master’s degree in Risk management of chemical hazards. University of Rouen