

Prof. Dr.-Ing. habil. Jakob Albert
Universität Hamburg
Institute of Technical and Macromolecular Chemistry
Bundesstr. 45
20146 Hamburg, Germany
Mobile: +49 170/4194742
Office: +49 40/42838-4209
E-Mail: Jakob.albert@uni-hamburg.de

ORCID: 0000-0002-3923-2269
Researcher ID: R-4541-2017
SCOPUS Author ID: 55270492900

Curriculum Vitae

Name: Prof. Dr.-Ing. habil. Jakob Albert

Date of Birth: 09.02.1985

Nationality: german

Marital Status: married, 2 children

Gender: male

Professional experience

10/2021 - today **Guest Lecturer** at Technical University of Denmark (DTU) Lyngby in “Catalysis and Sustainable Chemistry”

10/2021 – today **Lecturer** (Lehrbeauftragter) at Technische Universität Hamburg (TUHH) for “Industrial homogeneous catalysis” (winter term) and “Power-to-X processes” (summer term)

09/2020 - today **Professor for Technical Chemistry and Deputy Director of the Institute of Technical and Macromolecular Chemistry**, Universität Hamburg

10/2019 **Appointment as Professor (W2, permanent)** for “Technische Chemie insbes. Reaktionskinetik mikro- und nanoskaliger Materialien” at Universität Hamburg

2018 **Internship** at the Technical University of Denmark (DTU) Lyngby, Department of Chemistry (Prof. Riisager), supported by Cluster of Excellence EAM (FAU)

04/2015 – 08/2020 **Akademischer Rat** of the Freistaat Bayern, FAU Erlangen-Nürnberg

05/2014 – 08/2020 **Head of research group „Biomass and sustainable production of platform chemicals“**, Institute of Chemical Reaction Engineering (CRT), FAU Erlangen-Nürnberg

08/2011 – 04/2014 **Research assistant** (wiss. Mitarbeiter), Institute of Chemical Reaction Engineering (CRT), FAU Erlangen-Nürnberg

Key research activities

- Polyoxometalates in catalysis
- Catalytic conversion of biomass
- Chemical energy storage
- Scale-up and process design

Prof. Dr.-Ing. habil. Jakob Albert
Universität Hamburg
Institute of Technical and Macromolecular Chemistry
Bundesstr. 45
20146 Hamburg, Germany
Mobile: +49 170/4194742
Office: +49 40/42838-4209
E-Mail: Jakob.albert@uni-hamburg.de

ORCID: 0000-0002-3923-2269
Researcher ID: R-4541-2017
SCOPUS Author ID: 55270492900

Education and academic background

- 12/2016 – 06/2022 **Habilitation (Lehrbefähigung)** in the field “Chemical Reaction Engineering”, Thesis: “Development of polyoxometalate catalysts for enhanced catalytic performance”, FAU Erlangen-Nürnberg.
- 08/2011 - 12/2014 **Ph. D. (Dr.-Ing.)** at CRT, FAU Erlangen-Nürnberg; Thesis: „Chemische Wertschöpfung aus Biomasse mittels selektiver katalytischer Oxidation zu Ameisensäure (FA) - der Erlanger OxFA-Prozess “ (Supervisor: Prof. Wasserscheid); Overall evaluation: „passed with distinction“.
- 10/2008 - 07/2011 **M. Sc. (Dipl.-Ing. Univ.)** in Chemical and Bio- Engineering, FAU Erlangen-Nürnberg with a stay abroad in South America (Chile, Argentina); Thesis: „Selektive Gewinnung von Ameisensäure aus Biomasse mittels katalytischer Oxidation“ (Supervisor: Prof. Wasserscheid).
- 10/2005 - 09/2008 **B. Sc. (Vordiplom)** in Chemical and Bio- Engineering, FAU Erlangen-Nürnberg; Thesis: „Gewinnung von Dilactid aus der TOA-L-Destillation“ (Supervisor: Prof. Wasserscheid).

As per date of 2023-10-17:

63 publications and 26 issued patents

63 oral and 83 poster presentations at international conferences

24 invited talks at various universities & research institutes

Supervision of currently 15 ongoing and 12 completed PhD thesis

Supervision of 39 Master and 25 Bachelor Thesis at various universities (UHH, TUHH, FAU, DTU)

Fellowships & awards

- 01/2023 **ERC Consolidator Grant 2022** of the European Research Council
- 07/2019 **Best Oral Presentation** of the 4th International Conference on New Energy and Future Energy Systems (NEFES 2019), Macao, China.
- 06/2019 **Siemens “Inventor of the year 2019”** in the category Open Innovation together with Peter Wasserscheid and Siemens-GreenLiq team.
- 06/2019 **Best Exercise in Faculty of Engineering (1/51)** by student evaluation within Faculty of Engineering at FAU in WS 2018/19.
- 12/2018 **Emerging Talents Initiative (ETI) funding** of the FAU Erlangen-Nürnberg.
- 03/2018 **Best Poster Award** at 51. Jahrestreffen deutscher Katalytiker, Weimar, Germany.
- 02/2017 **Science sets sail scholarship** of the the Cluster of Excellence “Engineering of Advanced Materials (EAM)” together with Doris Segets.
- 08/2016 **Start-up funding** of the Universitätsbund Erlangen-Nürnberg e.V.
- 06/2016 **Research fellowship „Innovation MINT“** of the Vector Stiftung.
- 06/2016 **Poster award** at ISCRE 24 Meeting, Minneapolis, USA.
- 12/2015 **VCI-Grant for material costs** of the Fonds der Chemischen Industrie
- 10/2015 **Starting Grant** of the Cluster of Excellence “Engineering of Advanced Materials (EAM)”.
- 06/2015 **Max-Buchner-Research fellowship** of DECHEMA.
- 06/2015 **Prize for best dissertation** of the Faculty of Engineering (FAU).
- 03/2012 **PhD Conference Scholarship** for the E2C offered by Mercator Stiftung, Maastricht, Netherlands.

Prof. Dr.-Ing. habil. Jakob Albert
Universität Hamburg
Institute of Technical and Macromolecular Chemistry
Bundesstr. 45
20146 Hamburg, Germany
Mobile: +49 170/4194742
Office: +49 40/42838-4209
E-Mail: Jakob.albert@uni-hamburg.de

ORCID: 0000-0002-3923-2269
Researcher ID: R-4541-2017
SCOPUS Author ID: 55270492900

Service to the scientific community and reviewing activities

09/2023	Member of the scientific committee on Renewable Energy and Sustainable Development, 2023, Rome-Italy
06/2022 - today	Reviewer für „Deutscher Akademischer Austauschdienst“ (DAAD)
05/2021 - today	Reviewer for “Bundesministerium für Bildung und Forschung“ (BMBF)
02/2020 - today	External reviewer for PhD theses (DTU Lyngby, Universität Bayreuth)
04/2019 - today	Reviewer for “Deutsche Forschungsgemeinschaft” (DFG)
03/2019 - today	Reviewer for “Alexander von Humboldt-Stiftung” (AvH)
06/2018	Member of the scientific committee on Green Chemistry & Technology Conference, 2018, Dublin-Ireland
03/2018 - today	Reviewer for Poster evaluation at the “51. & 52. Jahrestreffen deutscher Katalytiker” in Weimar-Germany
11/2017 - today	Reviewer for international conferences (e.g. ISCRE, NAM, ICC, ISHC)
10/2017 - today	Session Chair on various international conferences (e.g. WCCE, ICEAM)
05/2017	Member of the Organizing Committee of the “CBI Symposium” and Speaker of the Poster Commission
06/2016 - today	Reviewer for international scientific journals (i.e. Angewandte Chemie, ACS Catalysis, ACS Sustainable Chemistry & Engineering, ACS Omega, Applied Energy, Applied Catalysis B-Environmental, Biomass Conversion and Biorefinery, Catalysis Communications, Catalysis Today, Catalysis Science & Technology, ChemComm, ChemCatChem, Chemical Engineering Journal, Chemical Engineering Science, Chemical Engineering Research & Design, ChemSusChem, Energy & Fuels, Energy Technology, Fuel Processing Technology, Green Chemistry, Industrial & Engineering Chemistry Research, Journal of the American Chemical Society, New Journal of Chemistry, RSC Advances, Symmetry)

Prof. Dr.-Ing. habil. Jakob Albert
Universität Hamburg
Institute of Technical and Macromolecular Chemistry
Bundesstr. 45
20146 Hamburg, Germany
Mobile: +49 170/4194742
Office: +49 40/42838-4209
E-Mail: Jakob.albert@uni-hamburg.de

ORCID: 0000-0002-3923-2269
Researcher ID: R-4541-2017
SCOPUS Author ID: 55270492900

Memberships in scientific societies & academic administrative autonomy

09/2023 – today	Member of „Ausschuss zur Verleihung der Lehrbefugnis im FB Chemie (UHH)“
10/2022 - 04/2023	Member of “Habitationskommission Dr. Tobias Vossmeier“ (UHH)
10/2022 - 09/2024	Deputy member of “Fachbereichsrat Chemie“ (UHH)
01/2022 - today	Member of “Institut für Hochleistungsmaterialien“ (TUHH)
01/2022 - 12/2022	Chairman of “Berufungskommission Experimentalphysik“ (UHH)
10/2021 - today	Member of „Prüfungsausschuss Lehramt Chemie/-technik“ (UHH)
01/2021 - 07/2021	Member of “Habitationskommission Dr. Roland Maul“ (UHH)
10/2019	Appointment as independent supervisor for PhD theses (FAU)
03/2019	Roter Löwe of the German Catalysis Society for 10 active presentations at the annual meeting of the German Catalysis Society
02/2019	General appointment as examiner for B.Sc. and M.Sc. thesis in chemical reaction engineering (FAU)
01/2019 - 12/2019	Member of “Berufungskommission Strömungsmechanik & Apparatechnik“ (FAU)
10/2018 - 04/2020	Speaker of the “CBI Nachwuchskreis” and Member of “Kollegiale Leitung CBI” (FAU)
03/2018 - today	Member of the “Society of Chemical Technology and Biotechnology” (DECHEMA)
03/2018 - today	Member of the “German Catalysis Society” (GeCatS)
01/2018 - today	Member of the “German Association of University Professors” (DHV)
07/2017	Appointment as examiner for M.Sc. exams in “Chemical reaction engineering” and “Sustainable production of platform chemicals” (FAU)
10/2016 - 09/2018	Deputy Speaker of the “CBI Nachwuchskreis” (FAU)
05/2014 - 08/2020	Chief Engineer for lab facilities at CRT (FAU)