



CURRICULUM VITAE (In July 2023)

Guillaume Habert

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CURRENT POSITION

Professor for Sustainable Construction

Institute of construction and infrastructure management
Department of Civil, Environmental and Geomatic Engineering
ETH Zurich, Switzerland

EDUCATION

2000-2004	PhD in structural geology	<i>University of Toulouse, FRANCE</i>
1999-2000	MSc in Geology	<i>University of Toulouse, FRANCE</i>
1997-1999	BSc in biology and geology	<i>Ecole Normale Supérieure, Paris, FRANCE</i>

EMPLOYMENT

Since 2023	Full professor for Sustainable Construction at ETH Zurich, Switzerland
2012-2023	Associate professor for sustainable construction <i>ETH Zurich, SWITZERLAND</i>
2007-2012	Senior Scientist on sustainable concrete <i>Laboratoire Central des Ponts et Chaussées, FRANCE</i>
2006-2007	Post doc on alternative construction materials <i>Universidade Federal do Paraíba, BRAZIL</i>
1999	Research assistant on igneous petrography <i>Monash University, AUSTRALIA</i>

ACADEMIC ACHIEVEMENT

Scientific production

Number of papers published in peer reviewed journals	159
H index (Source: web of science ®)	39

Student supervisions

PhD defended	12
PhD in progress at ETH Zurich	7
PhD in progress co supervised abroad	5
Master thesis supervised at ETH Zurich	5 per year
Bachelor thesis supervised at ETH Zurich	2 per year

Awards

2011 Freyssinet 1st prize
2015 Robert L'Hermite Medal (*RILEM*)

FINANCIAL RESOURCES

Share of competitive fundings in budget of research group 45%
Complete list of research projects available <https://bit.ly/31hUiiW>

TEACHING ACTIVITIES

Master level:

15 ECTS: Resource in the built environment / Introduction to Sustainable construction / Materials and construction / Integrated design LCA / buildings and labels certification

Continuing education

12 ECTS: Certificate advanced study: regenerative materials

Regular intervention for lecture at ENPC (Paris) and ENTPE (Lyon) on LCA of building materials

SERVICE TO SCIENTIFIC & ENGINEERING COMMUNITY

Main Associations

Since 2018	Member of the Swiss Earth Builders Association	IG Lehm
Since 2014	Member of Swiss Society of Engineers and Architects	SIA
Since 2012	Member of the International Union of Laboratories and Experts in Construction Materials, Systems and Structures	RILEM

Main Committee involvement

Since 2020	Chairman of the advisory board of the Concrete sustainability Council
Since 2018	Member of the advisory board of Ecole National Ponts et Chaussées (France)
2018-2022	Member of the teaching commission at ETH Zurich
2015-2018	Member of the scientific advisory board of CSTB (France)

Main conferences organisation

2016 & 2019	Organiser of the international conference on Sustainable building environment supported by UNEP, iiSBE, FIDIC, RILEM and CIB in Graz & Zurich.
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Main editorial services

Since 2019	Associate editor for Buildings and Cities
Since 2014	Associate editor for Materials and Structures

Main reviews activities

Scientific journals: J. Clean. Prod.; Cem & Con Res.; J. Ind ecol.; Habitat international; Nat. com.

National Science Foundations: SNSF, ANR, FFG, German Humbolt, FNRS

SELECTED KEY PUBLICATIONS

Complete publication list can be found [here](https://sc.ibi.ethz.ch) (<https://sc.ibi.ethz.ch>)

- 1) Carcassi O.B., Habert G., Malighetti L.E., Pittau F. 2022. Material diets for Climate-Neutral Construction. *Environmental Science and Technology*. DOI: 10.1021/acs.est.1c05895
- 2) Galimshina A., Maliki M., Padey P.Y., Lasvaux S., Sudret B., Habert G. 2021. What is the optimal robust environmental and cost-effective solution for building renovation? Not the usual one. *Energy and Buildings*. DOI: 10.1016/j.enbuild.2021.111329
- 3) Du Y., Habert G., Brumaud C. 2022. Design of tannin based poured earth material via deflocculation-coagulation control: additives selection and tannin variation. *ACS Sustainable Chemistry & Engineering*. DOI: 10.1021/acssuschemeng.2c04078
- 4) Celentano G., Habert G. 2021. Beyond materials: The construction process in space, time and culture in the informal settlement of Mathare, Nairobi. *Development Engineering*. DOI: 10.1016/j.deveng.2021.100071
- 5) Eleftheriou E., Lopez Muñoz L.F., Habert G. Zea Escamilla E. 2022. Parametric Approach to Simplified Life Cycle Assessment of Social Housing Projects. *Sustainability*.