

Name	Eric D. van Hullebusch
Gender	Male
Year of birth	1975
Nationality	French
Civil Status	Married
Present position	Full Professor in Environmental Science and Technology
Years with firm	2016

EDUCATION – Please fill your education

1999 - 2002	- PhD in Aquatic Chemistry and Microbiology (Université de Limoges – France)
1998 - 1999	- MSc in Aquatic Chemistry and Microbiology (Université de Poitiers – France)
1997 – 1998	- Master in Environmental Chemistry (Université de Limoges – France)
1994 – 1997	- BSc in Biology and Chemistry (Université de Limoges – France)

EMPLOYMENT RECORD

2016 – present	- Professor of Environmental Science and Technology (UNESCO-IHE – Delft – the Netherlands)
2005 – 2016	- Associate Professor in Biogeochemistry of Engineered Ecosystems (Université Paris-Est – France)
2004 – 2005	- Assistant Professor (Université de Limoges – France)
2002 – 2004	- Post-doctoral Researcher (Wageningen University - the Netherlands)
1999-2002	- PhD student (Université de Limoges – France)

KEY QUALIFICATIONS

Habilitation in Environmental Science (Université Paris-Est, 2012)

Lecturer for more than 12 years at BSc, MSc and PhD levels in the following disciplines :

BSc level (French speaking courses)

Environmental Chemistry (Air, Water and soils)
Environmental Microbiology
Introduction to Anaerobic Digestion

MSc level (French speaking courses)

Environmental Microbiology
Environmental Chemistry (Water and soils)
Global Biogeochemical cycles
Biological wastewater treatment
Introduction to anaerobic digestion
Environmental Geochemistry

PhD level (English speaking courses)

Materials biodeterioration

Biohydrometallurgy
Mine wastes and weathering mechanisms
Metallurgical slags : mineralogy and bio/weathering
Trace metals speciation and bioavailability in Anaerobic Digester
Heavy metals and metalloids immobilization in biofilms

MAIN DISCIPLINE / SPECIALISATION

Solid organic and hazardous waste management and resource recovery
Biogeochemistry of engineered ecosystems
Biological waste and wastewater treatment
Soil remediation
Advanced oxidation processes for the removal of refractory organic micro pollutants
Sewer pipe biocorrosion studies

EXPERIENCE RECORD

EXPERIENCE in CONSULTANCY, PROJECT ASSIGNMENTS and EDUCATION

Involved as promotor or co-promotor in the supervision of more than 15 PhD students
Currently PhD promotor of 6 PhD students

Missions abroad	(Relevant and/or recent)
2015	<i>Visiting Professor in October 2015 at Linköping University (Sweden) in the Biogas Research Center in the frame of a call launched by the French – Swedish institute. Giving lectures during a workshop on bioenergy from organic waste</i>
2014	<i>Visiting Professor in May 2014 at the Asian Institute of Technology and Chiang Mai University (Thailand) in the frame of the project SDCC/AIT - France network programme "SUSTAINABILITY ISSUES DUE TO COAL ASH FROM COAL FIRED POWER PLANTS"</i>
2013	<i>Visiting Professor in March 2013 at Universidade Federal de Minas Gerais (Belo Horizonte, Brazil) in the frame of the IRSES project MinPollControl including field trips for mining and metallurgical collection as well as short course on MinPollControl issues</i>
2012	<i>Visiting Professor in Morocco at Université d'Agadir (Pr. Mohamed Hamdani) and Université de Rabat (Pr. Kacem El Kacemi): in September 2012 in the frame of VOLUBILIS project on advanced oxidation processes</i>
2011	<i>Visiting Professor in November 2011 Workshop on Sustainable solutions to coal ash disposal from coal-fired power plants De La Salle University, Manila, Philippines in the frame of the project SDCC/AIT - France network programme "SUSTAINABILITY ISSUES DUE TO COAL ASH FROM COAL FIRED POWER PLANTS"</i>
	<i>Visiting Professor in September 2011 at Universidade Federal de Minas Gerais (Belo Horizonte, Brazil) in the frame of the IRSES project MinPollControl including field trips for mining and metallurgical collection as well as short course on MinPollControl issues</i>
2010	<i>Visiting Professor in November 2010 in the frame of the Workshop on Management of Heavy metal Discharges, financed by the project SDCC/AIT - France network programme "SUSTAINABILITY ISSUES DUE TO COAL ASH FROM COAL FIRED POWER PLANTS"</i>
2006	<i>Visiting Professor at Universidade Federal de Minas Gerais (Belo Horizonte, Brazil) in March 2010 in the frame of invited professor call by CNPq. Giving lectures on environmental geochemistry</i>

Professional Experience

2009 – present	<i>Research director of the Erasmus Mundus Joint Doctorate Programme ETeCoS³ (Environmental Technologies for Contaminated Solids, Soils and Sediments) and coordinator of the implementation of the PhD joint degree</i>
2015 – present	<i>Research director of the European Joint Doctorate Programme ABWET (Advanced Biological Waste-To-Energy Technologies)</i>
2010 – 2014	<i>Coordinator of the FP7 IRSES EU project MinPollControl</i>
2012-2015	<i>Coordinator of a VINCI project aiming at developing collaboration between the doctoral schools of Université Paris-Est and Università degli studi di</i>

Cassino e del Lazio Meridionale in the frame of the ETeCoS3 programme.

2011 – 2015

Training programme coordinator of a BSc degree dedicated to professionals in the field of Waste-to-Energy plants managers

Other relevant
expertises

- **Peer-reviewed Journal board member**
- Member of the Editorial Board of Reviews in Environmental Science and Bio/Technology.
- Associate Editor board member of Euro-Mediterranean Journal for Environmental Integration
- Member of the Editorial Board of Minerals
- Review editor for Frontiers Journals (Frontiers in Chemistry / Frontiers in Environmental Science / Frontiers in Microbiology / Frontiers in Earth Science) in Microbiological Chemistry and Geomicrobiology field
- **Editor or co-editor**
- Invited Editor for a double special issue “Mineralogy, Speciation and Environmental Health” of nine review papers released in December 2008 and March 2009 in Reviews in Environmental Science and Bio/Technology, See editorial van Hullebusch E.D. Editorial of the special issue “Mineralogy, Speciation and Environmental Health” Reviews in Environmental Science and Bio/Technology, 8 (1), 1-2.
- Co-editor for one issue of the European Journal of Mineralogy related to papers accepted in the frame of International Symposium on Mineralogy, Environment and Health that was held 17th-18th September 2009, Marne-la-vallée (France) van Hullebusch E.D., Rossano S. (2010) Mineralogy, Environment and Health : Preface European Journal of Mineralogy 22 (5), 627.
- Co-editor for one issue of the Reviews in Environmental Science and Bio/Technology related to papers accepted in the frame of Summer School on “Biological and Thermal treatment of municipal solid waste”, 2-6 May 2011, Naples, Italy. Esposito G., Pirozzi F., van Hullebusch E.D. (2012) Reviews in Environmental Science and Bio/Technology, 11, 323.
- Co-editor for one issue of Geonomos related to papers accepted in the frame of International Symposium Workshop on Mining activities, refineries, pollution control and remediation strategies, 10-18 September 2011, Belo Horizonte, Brazil.
- Co-editor for one issue of the Reviews in Environmental Science and Bio/Technology related to papers accepted in the frame of Summer school on “Contaminated Soils: from characterization to remediation” 18-22 June 2012, Champs-sur-Marne, France. van Hullebusch E.D., Huguenot D., Esposito G., Mousset E. (2013)

Reviews in Environmental Science and Bio/Technology, 12 (4), 333.

COST action active member

- European network for innovative recovery strategies of rare earth and other critical metals from electric and electronic waste (ReCreew) = Working group co-leader on the critical elements recovery from electronic waste
- Vice chair and working group leader of the European Network on Ecological Functions of Trace Metals in Anaerobic Biotechnologies

Conducted Short Courses, Conferences and Workshops

- 2017
- 1st international ABWET conference, January 19 - 20 2017 - Paris-Est, France (chairman of the organizing committee)
- 2nd International Conference on Recent Advancements in Chemical, Environmental & Energy Engineering (RACEEE-2017) February 23-24, 2017 Chennai, Tamilnadu, India (Member of the scientific advisory board)
- 2016
- Summer School on Contaminated Sediments : Characterization and Remediation May 23 – May 27, 2016 at UNESCO-IHE, Delft, The Netherlands. (Member of the scientific committee)
- 2015
- Workshop “Environmental impacts of mining and smelting” January 8-9, 2015 at Université Paris Sud, Orsay, France (Member of the organizing committee)
- 4th International Conference on Research Frontiers in Chalcogen Cycle Science & Technology (also known as the G16 Conference), May 28 – May 29, 2015 at UNESCO-IHE, Delft, The Netherlands. (Member of the organizing committee)
- PhD course on contaminated soils and remediation : June 22-26 2015 at Champs-sur-Marne (France) (Course director)
- 2014
- Summer school on Contaminated Soils: from characterization to remediation, June 29 - July 3 2015 - Paris-Est, France (chairman of the organizing committee)
- Summer School on “Biological Treatment of Solid Waste”, Cassino & Gaeta, Italy, June 30- July 4, 2014. (Member of the organizing committee)
- INRA : Journée Recherche Industrie Microbiologie 2014 Management des Ressources Microbiennes October 7-9, 2014 - Narbonne, France (Member of the scientific committee)
- 2013
- 3rd International Conference on Research Frontiers in Chalcogen Cycle Science & Technology (also known as the G16 Conference), May 27 – May 28, 2013 at UNESCO-IHE, Delft, The Netherlands (Member of the organizing committee)
- 2012
- Summer school on Contaminated Soils: from characterization to remediation, 18-22 June 2012 - Paris-Est, France (chairman of the organizing committee)
- 2011
- Summer School on “Biological and Thermal treatment of municipal solid waste”, 2-6 May 2011, Naples, Italy (Member of the organizing committee)
- Summer School on “Mining activities, refineries, pollution control and remediation strategies”, 12-21 September 2011, Belo Horizonte, Brazil.

(Member of the organizing committee)

2010 2nd International Conference Research Frontiers in Chalcogen Cycle Science and Technology, May 25th – 26th 2010, UNESCO-IHE, Delft, The Netherlands (Member of the organizing committee)

Workshop on Management of Heavy Metals Discharges, Asian Institute of Technology, Klongluang, Pathumthani, Thailand, 18-19 November 2010 (Member of the organizing committee)

2009 International Symposium on Mineralogy, Environment and Health 17th-18th September 2009, Marne-la-vallée (France) (chairman of the organizing committee)

LANGUAGE PROFICIENCY

<i>Language</i>	<i>Reading</i>	<i>Speaking</i>	<i>Writing</i>
French	Mother tongue	Mother Tongue	Mother tongue
English	Professional proficiency	Professional proficiency	Professional proficiency
German	Fair	To reactivate	To reactivate
Italian	Fair	To reactivate	To reactivate

COMPUTER SKILLS

General	MS Office	Good
Specialized programs	Visual Minteq	Good
	Kompozer	Good

PUBLICATIONS

Research studies About 154 peer-reviewed papers, about 2100 citations, h-index = 26

2002

- **van Hullebusch E.**, Chazal Ph. M. and Deluchat V., (2002), [Influence of phosphonic acids and EDTA on bacterial copper toxicity](#), *Toxicological & Environmental Chemistry*, 82 (1-2), 75-91 (impact factor

in 2013 = 0.723).

2. • **van Hullebusch E.**, Deluchat V., Chazal Ph. M. and Baudu M., (2002), [Environmental impact of two successive chemical treatments in a small shallow eutrophied lake: \(I\) case of aluminium sulfate](#), *Environmental Pollution*, 120 (3), 617-626 (impact factor in 2013 = 3.73).
3. • **van Hullebusch E.**, Deluchat V., Chazal Ph. M. and Baudu M., (2002), [Environmental impact of two successive chemical treatments in a small shallow eutrophied lake: \(II\) case of copper sulfate](#), *Environmental Pollution*, 120 (3), 627-634 (impact factor in 2013 = 3.73).

2003

4. • **van Hullebusch E.**, Auvray F., Deluchat V., Chazal Ph.M and Baudu M., (2003), [Phosphorus fractionation and short term mobility in the surface sediment of a shallow polymictic lake treated with low dose of alum \(Courtille lake, France\)](#), *Water, Air, and Soil Pollution*, 146 (1-4), 75-91 (impact factor in 2013 = 1.75).
5. • **van Hullebusch E.**, Auvray F., Bordas F., Deluchat V., Chazal Ph. M and Baudu M., (2003), [Role of organic matter on copper mobility in a polymictic lake following copper sulfate treatment \(Courtille lake, France\)](#), *Environmental Technology*, 24 (6), 787-796 (impact factor in 2013 = 1.60).
6. • **van Hullebusch E.**, Chatenet Ph., Deluchat V., Chazal Ph. M., Froissard D., Botineau M., Ghestem A. and Baudu M., (2003), [Copper fate in a reservoir ecosystem following copper sulfate treatment \(St Germain les Belles, France\)](#), *Water, Air, and Soil Pollution*, 150 (1-4): 3-22 (impact factor in 2013 = 1.75).
7. • **van Hullebusch E.**, Zandvoort M.H. and Lens P.N.L., (2003), [Metal immobilisation by biofilms: Mechanisms and analytical tools](#), *Re/Views in Environmental Science & Bio/Technology*, 2 (1), 9-33 (impact factor in 2013 = 2.34).
8. • Zandvoort, M.H., Lens, P.N.L., **van Hullebusch, E.**, Lettinga, G. (2003), [Effect of Cobalt and Nickel Speciation on the Performance of Methanogenic Biofilms](#), *Soil & Sediment Contamination* 12 (5), 679-680 (impact factor in 2013 = 0.509).
9. • **van Hullebusch, E.**, Auvray, F., Combrouze, Ph., Deluchat, V., Chazal, Ph., Baudu, M. (2003), Study of the copper and aluminium fate following treatment of shallow eutrophic lake: Courtille lake (Creuse, France) / [\[Etude du devenir et de la mobilité du cuivre et de l'aluminium utilisés pour le traitement des plans d'eau eutrophes. Cas du lac de Courtille \(Creuse, France\)\]](#), *Techniques - Sciences - Méthodes* (10), 66-74 (no impact factor in 2013).

2004

10. • Osuna M.B., **van Hullebusch E.**, Zandvoort M.H., Iza J. and Lens P.N.L., (2004), [Effect of cobalt sorption on metal speciation in Anaerobic Granular Sludge](#), *Journal of Environmental Quality*, 33 (4), 1256-1270 (impact factor in 2013 = 2.353).
11. • **van Hullebusch E.**, Zandvoort M.H. and Lens P.N.L., (2004), [Nickel and Cobalt sorption on anaerobic granular sludges: kinetic and equilibrium studies](#), *Journal of Chemical Technology & Biotechnology*, 79 (11), 1219-1227 (impact factor in 2013 = 2.504).

2005

12. • **van Hullebusch E.**, Utomo S., Zandvoort M.H. and Lens P.N.L., (2005) [Comparison of three sequential extraction procedures to describe metal fractionation in anaerobic granular sludges](#), *Talanta*, 65 (2), 549-558 (impact factor in 2013 = 3.498).
13. • **van Hullebusch E.**, Peerbolte A., Zandvoort M.H. and Lens P.N.L., (2005), [Sorption of cobalt and nickel on anaerobic granular sludges: isotherms and sequential extraction](#), *Chemosphere*, 58 (4), 493-505 (impact factor in 2013 = 3.137).
14. • Zandvoort M.H., **van Hullebusch E.**, Peerbolte A., Golubnic S., Lettinga G. and Lens P.N.L., (2005), [Influence of pH shocks on trace metal dynamics and performance of methanol fed granular sludge bioreactors](#), *Biodegradation*, 16 (6), 549-567 (impact factor in 2013 = 2.173).
15. • Zandvoort M.H., **van Hullebusch E.**, Gieteling J., Lettinga G. and Lens P.N.L., (2005), [Effect of sulfur source on the performance and metal retention of methanol fed UASB reactors](#), *Biotechnology Progress*, 21 (3), 839-850 (impact factor in 2013 = 1.853).
16. • Virkutyte J., **van Hullebusch E.**, Sillanpää M. and Lens P.N.L., (2005), [Copper and trace element fractionation in electrokinetically treated methanogenic anaerobic granular sludge](#), *Environmental Pollution*, 138 (3), 518-529 (impact factor in 2013 = 3.73).
17. • Pevere A., Guibaud G., **van Hullebusch E.**, Lens P.N.L. and Baudu M., (2005), [Effect of inoculum and sludge concentration on viscosity evolution of anaerobic granular sludges](#), *Water Science & Technology*, 52 (1-2), 509-514 (impact factor in 2013 = 1.102).
18. • Tabak H.H., Lens P.N.L., **van Hullebusch E.** and Dejonghe V. (2005), [Advances in Bioremediation of Soils and Sediments Polluted with Metals and Radionuclides. 1. Microbial Processes and Mechanisms Affecting Bioremediation of Metal Contamination and Influencing Metal Toxicity and Transport. Re/Views in Environmental Science & Bio/Technology](#), 4 (3), 115-156 (impact factor in 2013 =

2.34).

19. • **van Hullebusch E.**, Lens P.N.L., and Tabak H.H. (2005), [Advances in Bioremediation of Soils and Sediments Polluted with Metals and Radionuclides. 3. Overview of the Influence of Chemical Speciation and bioavailability on Contaminants Immobilization / Mobilization Bio-Processes](#), *Re/Views in Environmental Science & Bio/Technology*, 4 (3), 185-212 (impact factor in 2013 = 2.34).

2006

20. • Pevere A., Guibaud G., **van Hullebusch E.**, Lens P.N.L. and Baudu M., (2006), [Viscosity evolution of anaerobic granular sludge](#), *Biochemical Engineering Journal*, 27, 315-322 (impact factor in 2013 = 2.579).
21. • **van Hullebusch E.**, Gieteling J., Zhang M., Zandvoort M.H., van Daele W., Defrancq J. and Lens P.N.L., (2006), [Cobalt sorption onto anaerobic granular sludge: Isotherm and spatial localization analysis](#), *Journal of Biotechnology*, 121 (2), 227-240 (impact factor in 2013 = 3.183).
22. • Zandvoort M.H., **van Hullebusch E.**, Gieteling J., Lettinga G. and Lens P.N.L., (2006), [Granular sludge in full scale anaerobic bioreactors: trace elements content and deficiencies](#), *Enzyme and Microbial Technology*, 39 (2), 337-346 (impact factor in 2013 = 2.592).
23. • Zandvoort M., **van Hullebusch E.**, Feroso Gonzalez F. and Lens P.N.L. (2006), [Trace metals in anaerobic granular sludge reactors: bioavailability and dosing strategies](#), *Engineering in Life Sciences*, 6 (3), 293-301 (impact factor in 2013 = 1.633).
24. • Auvray F., **van Hullebusch E.**, Deluchat V. and Baudu M., (2006), [Laboratory investigation of the phosphorus removal \(SRP and TP\) from eutrophic lake water treated with aluminium](#), *Water Research*, 40 (14), 2713-2719 (impact factor in 2013 = 4.655).
25. • Guibaud G., **van Hullebusch E.** and Bordas F. (2006), [Lead and Cadmium Biosorption by Extracellular Polymeric Substances \(EPS\) extracted from activated sludges: pH-sorption edge tests and mathematical equilibrium modeling](#), *Chemosphere*, 64 (11), 1955-1962 (impact factor in 2013 = 3.137).
26. • Zandvoort M.H., **van Hullebusch E.**, Golubnic S., Gieteling J. and Lens P.N.L., (2006), [Induction of cobalt limitation in methanol fed UASB reactors](#), *Journal of Chemical Technology & Biotechnology*, 81 (9), 1486-1495 (impact factor in 2013 = 2.504).
27. • Astratinei V., **van Hullebusch E.** and Lens P.N.L. (2006), [Fate and Bioconversion of Selenate using Anaerobic Granular Sludge](#), *Journal of Environmental Quality*, 35 (5), 1873-1883 (impact factor in 2013 =

2.353).

2007

28. • **van Hullebusch E.**, Gieteling J., van Daele W., Defrancq J. and Lens P.N.L., (2007), [Effect of substrate composition on physico-chemical characteristics of anaerobic granular sludge](#), *Biochemical Engineering Journal* 33, 168-177 (impact factor in 2013 = 2.579).
29. • Pevere A., Guibaud G., **van Hullebusch E.** and Lens P.N.L., (2007) [Determination of suitable rheological parameters to report the changes of fluidized sulphidogenic sludges properties during bioreactors operation](#), *Enzyme and Microbial Technology* 40 (4), 547-554 (impact factor in 2013 = 2.592).
30. • Pevere A., Guibaud G., **van Hullebusch E.**, Boughzala W. and Lens P.N.L., (2007) [Effect of Na⁺ and Ca²⁺ on the aggregation properties of anaerobic fines granular sludge](#). *Colloids and Surfaces A: Physicochemical and Engineering Aspects* 306, 142-149 (impact factor in 2013 = 2.108).

2008

31. • Guibaud G., Bordas F., Saaid A., d'Abzac P., **van Hullebusch E.**, (2008) [Effect of pH on Cadmium and Lead binding by Extracellular Polymeric Substances \(EPS\) extracted from environmental bacterial strains](#), *Colloids and Surfaces B : Biointerfaces* 63 (1), 48–54 (impact factor in 2013 = 3.559).
32. • Lenz M., **van Hullebusch E.**, Hommes G., Corvini P. and Lens P.N.L. (2008), [Selenate removal in methanogenic and sulfate reducing upflow anaerobic sludge bed reactors](#), *Water Research* 42 (8-9), 2184-2194 (impact factor in 2013 = 4.655).
33. • Lopes S., Capela M.I., **van Hullebusch E.**, van der Veen A. and Lens P.N.L. (2008), [Influence of low pH \(6, 5 and 4\) on nutrient dynamics and sludge characteristics of acidifying sulfate reducing granular sludge](#), *Process Biochemistry* 43 (11), 1227-1238 (impact factor in 2013 = 2.414).
34. • Lenz M., **van Hullebusch E.**, Farges F., Borca C.N., Grolimund D., and Lens P.N.L. (2008), [Selenium speciation assessed by X-ray absorption spectroscopy of sequentially extracted anaerobic biofilms](#), *Environmental Science & Technology* 42 (20), 7587-7593 (impact factor in 2013 = 5.257).
35. • Bartacek J., Feroso Gonzalez F., Baldó-Urrutia A.M., **van Hullebusch E.D.**, and Lens P.N.L. (2008), [Cobalt toxicity to methylophilic methanogenesis in anaerobic granular sludge: role of](#)

[speciation](#), *Journal of Industrial Microbiology & Biotechnology* 35 (11), 1465-1474 (impact factor in 2013 = 2.321).

2009

36. • Pevere A., Guibaud G., Gouin E., **van Hullebusch E.** and Lens P.N.L. (2009) [Effects of physico-chemical factors on the viscosity evolution of anaerobic granular sludge](#), *Biochemical Engineering Journal* 43 (3), 231-238 (impact factor in 2013 = 2.579).
37. • Murati M., Oturan N., **van Hullebusch E.**, Oturan M.A. (2009) [Electro-Fenton treatment of TNT in aqueous media in presence of cyclodextrin. Application to ex-situ treatment of contaminated soil](#), *Journal of Advanced Oxidation Technologies* 12 (1), 29-36 (impact factor in 2013 = 0.95).
38. • Guibaud G., **van Hullebusch E.**, Bordas F., d'Abzac P. and Joussein E. (2009) [Sorption of Cd\(II\) and Pb\(II\) by exopolymeric substances \(EPS\) extracted from activated sludges and pure bacterial strains: Modeling of the Metal/Ligand ratio effect and role of the mineral fraction](#). *Bioresource Technology* 100 (12), 2959-2968 (impact factor in 2013 = 4.75).
39. • Simon S., Pairo B., D'Abzac P., **van Hullebusch E.**, Lens P. and Guibaud G. (2009) [Characterization of the Extracellular Polymeric Substances \(EPS\) of anaerobic granular sludges by Size Exclusion Chromatography \(SEC\)](#). *Bioresource Technology* 100 (24), 6258-6268 (impact factor in 2013 = 4.75).

2010

40. • D'Abzac P., Bordas F., Joussein E., **van Hullebusch E.** and Lens P., Guibaud G. (2010) [Characterization of the mineral fraction associated to extracellular polymeric substances \(EPS\) in anaerobic granular sludges](#). *Environmental Science & Technology* 44 (1), 412-418 (impact factor in 2013 = 5.257).
41. • D'Abzac P., Bordas F., **van Hullebusch E.**, Lens P. and Guibaud G. (2010) [Extraction of extracellular polymeric substances \(EPS\) from anaerobic granular sludges: comparison of chemical and physical extraction protocols](#). *Applied Microbiology and Biotechnology* 85 (5), 1589-1599 (impact factor in 2013 = 3.689).
42. • Ayoub K., **van Hullebusch E.**, Cassir M., Bermond A. (2010) [Application of Advanced Oxidation processes for TNT removal : A review](#). *Journal of Hazardous Materials* 178 (1-3), 10-28 (impact factor in 2013 = 3.925).

43. • Pevere A., Guibaud G., **van Hullebusch E.** and Lens P.N.L. (2010) [Effect of substrate feeding on viscosity evolution of anaerobic granular sludges](#). *Water Science and Technology* 62 (1), 132-139 (impact factor in 2013 = 1.102).
44. • Sampaio R.M.M., Timmers R.A., Kocks N., André V., Duarte M.T., **van Hullebusch E.D.**, Farges F. and Lens P.N.L. (2010) [Zn-Ni sulfide selective precipitation: the role of supersaturation](#), *Separation and Purification Technology* 74 (1), 108-118 (impact factor in 2013 = 2.894).
45. • D'Abzac P., Bordas F., **van Hullebusch E.**, Lens P., Guibaud G. (2010) [Effects of extraction procedures on metal binding properties of extracellular polymeric substances \(EPS\) extracted from anaerobic granular sludges](#). *Colloids and Surfaces B : Biointerfaces* 80 (2), 161-168 (impact factor in 2013 = 3.559).

2011

46. • Lenz M., **van Hullebusch E.D.**, Farges F., Nikitenko S., Corvini P.F.X., Lens P.N.L. (2011) [Combined speciation analysis by XANES, IC and SPME-GC-MS to evaluate biotreatment of concentrated selenium wastewaters](#), *Environmental Science & Technology* 45 (3), 1067-1073 (impact factor in 2013 = 5.257).
47. • Ayoub K., Nélieu S., **van Hullebusch E.**, Labanowski J., Schmitz-Afonso I., Cassir M., Bermond A. (2011) [Electro-Fenton removal of TNT from polluted water: An insight by liquid chromatography–electrospray ionization tandem mass spectrometry](#). *Applied Catalysis B: Environmental*, 104 (1-2), 169-176 (impact factor in 2013 = 5.825).
48. • Ayoub K., Nélieu S., **van Hullebusch E.**, Maia-Grondard A., Cassir M., Bermond A. (2011) [TNT oxidation by Fenton reaction : reagent ratio effect on kinetics and early stage degradation pathways](#). *Chemical Engineering Journal*, 173 (2), 309-317 (impact factor in 2013 = 3.473).

2012

49. • Villa-Gomez D.K., Papirio S., **van Hullebusch E.D.**, Farges F., Nikitenko S., Kramer H., Lens P.N.L. (2012) [Influence of sulfide concentration and macronutrients on the characteristics of metal precipitates relevant to metal recovery in bioreactors](#), *Bioresource Technology*, 110, 26-34 (impact factor in 2013 = 4.75).
50. • Guibaud G., Bhatia D., d'Abzac P., Bourven I., Bordas F., **van Hullebusch E.D.**, Lens P.N.L. (2012) [Cd\(II\) and Pb\(II\) sorption by extracellular polymeric substances \(EPS\) extracted from anaerobic granular biofilms: Evidence of a pH sorption-edge](#). *Journal of the Taiwan Institute of Chemical Engineers*, 43 (3), 444-449 (impact factor

in 2013 = 2.084).

2013

51. • Kijjanapanich P., Annachhatre A.P., Esposito G., **van Hullebusch E.D.**, Lens P.N.L. (2013) [Biological sulfate removal from gypsum contaminated construction and demolition debris](#). *Journal of Environmental Management*, 131, 82-91 (impact factor in 2013 = 3.057).
52. • Mousset E., Oturan N., **van Hullebusch E.D.**, Guibaud G., Esposito G., Oturan M.A. (2013) [A new micelle-based method to quantify the Tween 80® surfactant for soil remediation](#). *Agronomy for Sustainable Development*, 33 (4), 839-846 (impact factor in 2013 = 3.573).
53. • Herisson J., **van Hullebusch E.D.**, Moletta-Denat M., Taquet P., Chaussadent T. (2013) [Toward an accelerated biodeterioration test to understand the behavior of Portland and calcium aluminate cementitious materials in sewer networks](#). *International Biodeterioration and Biodegradation*, 84, 236-243 (impact factor in 2013 = 2.059).
54. • Feng L., **van Hullebusch E.D.**, Rodrigo M.A., Esposito G., Oturan M.A. (2013) [Removal of residual anti-inflammatory and analgesic pharmaceuticals from aqueous systems by electrochemical advanced oxidation processes. A review](#) *Chemical Engineering Journal*, 228, 944-964 (impact factor in 2013 = 3.473).
55. • d'Abzac P., Bordas F., Joussein E., **van Hullebusch E.D.**, Lens, P.N.L., Guibaud, G. (2013) [Metal binding properties of extracellular polymeric substances extracted from anaerobic granular sludges](#). *Environmental Science and Pollution Research*, 20 (7), 4509-4519 (impact factor in 2013 = 2.618).
56. • Bhatia D., Bourven I., Simon S., Bordas F., **van Hullebusch E.D.**, Rossano, S., Lens, P.N.L., Guibaud, G. (2013) [Fluorescence detection to determine proteins and humic-like substances fingerprints of exopolymeric substances \(EPS\) from biological sludges performed by size exclusion chromatography \(SEC\)](#). *Bioresource Technology*, 131, 159-165 (impact factor in 2013 = 4.75).

2014

57. • Yin N.-H., Sivry Y., Avril C., Borensztajn S., Labanowski J., Malavergne V., Lens P.N.L., Rossano S., **van Hullebusch E.D.** (2014) [Bioweathering of lead blast furnace metallurgical slags by *Pseudomonas aeruginosa*](#). *International Biodeterioration & Biodegradation*, 86, 372-381 (impact factor in 2014 = 2.235).
58. • Seder-Colomina M., Morin G., Benzerara K., Ona-Nguema G.,

- Pernelle J.-J., Esposito G., **van Hullebusch E.D.** (2014) [Sphaerotilus natans, a Neutrophilic Iron-Related Sheath-Forming Bacterium: Perspectives for Metal Remediation Strategies](#) *Geomicrobiology Journal*, 31 (1), 64-75 (impact factor in 2014 = 1.804).
59. • Mousset E., Oturan N., **van Hullebusch E.D.**, Guibaud G., Esposito G., Oturan M.A. (2014) [Influence of solubilizing agents \(cyclodextrin or surfactant\) on phenanthrene degradation by electro-Fenton process - study of soil washing recycling possibilities and environmental impact](#), *Water Research*, 48, 306-316 (impact factor in 2014 = 5.323).
60. • Villa-Gomez D.K., **van Hullebusch E.D.**, Maestro R., Farges F., Nikitenko S., Kramer H., Gonzalez G. and Lens P.N.L. (2014) [Morphology, mineralogy and solid-liquid phase separation characteristics of Cu and Zn precipitates produced with biogenic sulfide](#), *Environmental Science & Technology*, 48 (1), 664-673 (impact factor in 2014 = 5.481).
61. • Liotta F., d'Antonio G., Esposito G., Fabbricino M., Frunzo L., **van Hullebusch E.D.**, Lens P.N.L., Pirozzi F. (2014) [Effect of moisture on disintegration kinetics during anaerobic digestion of complex organic substrates](#). *Waste Management Research*, 32, 40-48 (impact factor in 2014 = 1.114).
62. • Mousset E., Oturan M.A., **van Hullebusch E.D.**, Guibaud G., Esposito G. (2014) [Soil washing/flushing treatments of organic pollutants enhanced by cyclodextrins and its integrated treatments: state of the art](#). *Critical Reviews in Environmental Sciences and Technology*, 44 (7) 705-795 (impact factor in 2014 = 3.238).
63. • Herisson J., Guéguen-Minerbe M., **van Hullebusch E.D.**, Chaussadent T. (2014) [Behaviour of different cementitious material formulations in sewer networks](#). *Water Science and Technology*, 69(7), 1502-1508 (impact factor in 2014 = 1.212).
64. • Mousset, E., Oturan, N., **van Hullebusch, E.D.**, Guibaud, G., Esposito, G., Oturan, M.A. (2014) [Influence of anode materials on toxicity and biodegradability of synthetic soil washing solutions containing phenanthrene and cyclodextrin during an anodic oxidation or electro-Fenton treatment](#). *Applied Catalysis B: Environmental*, 160-161, 666-675 (impact factor in 2014 = 6.007).
65. • Ganzenko O., Huguenot D., **van Hullebusch E.D.**, Esposito G., Oturan M. (2014) [Electrochemical advanced oxidation and biological processes for wastewater treatment: A review of the combined approaches](#), *Environmental Science and Pollution Research*, 21 (14), 8493-8524 (impact factor in 2014 = 2.757).
66. • Feng L., Oturan N., **van Hullebusch E.D.**, Esposito G., Oturan M.A. (2014), [Degradation of ketoprofen by electrochemical advanced](#)

- [oxidation processes: comparison of electro-Fenton and anodic oxidation processes](#), *Environmental Science and Pollution Research*, 21 (14), 8406-8416 (impact factor in 2014 = 2.757).
67. • Agnello A.C., Huguenot D., **van Hullebusch E.D.**, Esposito G. (2014) [Enhanced phytoremediation: a review of low molecular weight organic acids and surfactants used as amendments](#), *Critical Reviews in Environmental Sciences and Technology*, 44 (22), 2531-2576 (impact factor in 2014 = 3.238).
68. • Liotta F., Chatellier P., Esposito G., Fabbricino M., **van Hullebusch E.D.**, Lens P.N.L. (2014) [Hydrodynamic mathematical modeling of aerobic plug flow and non-ideal flow reactors: a critical and historical review](#). *Critical Reviews in Environmental Sciences and Technology*, 44 (23), 2642-2673 (impact factor in 2014 = 3.238).
69. • Jayaranjan M.L.D., **van Hullebusch E.D.**, Annachhatre A.P. (2014) [Reuse Options for Coal Fired Power Plant Bottom Ash and Fly Ash](#), *Re/Views in Environmental Science & Bio/Technology*, 13 (4), 467-486 (impact factor in 2014 = 2.263).
70. • Liotta F., Esposito G., Fabbricino M., **van Hullebusch E.D.**, Lens P.N.L., Pirozzi F., Pontoni L. (2014) [Effect of total solids content on methane and VFA production in anaerobic digestion of food waste](#), *Waste Management Research*, 32(10), 947-953 (impact factor in 2014 = 1.114).
- 2015**
71. • Jain R., Jordan N., Schild D., **van Hullebusch E.D.**, Weiss S., Franzen C., Farges F., Lens P.N.L. (2015) [Adsorption of zinc by biogenic elemental selenium nanoparticles](#), *Chemical Engineering Journal*, 260, 855-863 (impact factor in 2015 = 4.321).
72. • **van Hullebusch E.D.**, Yin N.-H., Seignez N., Labanowski J., Gauthier A., Lens P.N.L., Avril C., Sivry Y. (2015) [Bio-alteration of metallurgical wastes by *Pseudomonas aeruginosa* in semi-flow through reactor](#), *Journal of Environmental Management*, 147, 297-305 (impact factor in 2015 = 2.723).
73. • Zou G., Papirio S., **van Hullebusch E.D.**, Puhakka J.A. (2015) [Fluidized-bed denitrification of mining water tolerates high nickel concentrations](#), *Bioresource Technology*, 179, 284-290 (impact factor in 2015 = 4.494).
74. • Huguenot, D., Mousset, E., **van Hullebusch, E.D.**, Oturan, M.A. (2015) [Combination of surfactant enhanced soil washing and Electro-Fenton processes for the treatment of soils contaminated by petroleum hydrocarbons](#). *Journal of Environmental Management*, 153, 40-47 (impact factor in 2015 = 2.723).

75. • Jain R., Jordan N., Foerstendorf F., Weiss S., Heim K., Hübner R, **van Hullebusch E.D.**, Farges F, Lens P.N.L. (2015) [Extracellular polymeric substances govern the surface charge of biogenic elemental selenium nanoparticles](#). *Environmental Science & Technology*, 49, 1713-1720 (impact factor in 2015 = 5.33).
76. • Staicu L., **van Hullebusch E.D.**, Lens P.N.L., Pilon-Smits E.A.H., Oturan M.A., (2015) [Impact of electrocoagulation on biogenic colloidal selenium](#), *Environmental Science and Pollution Research*, 22 (4), 3127-3137 (impact factor in 2015 = 2.828).
77. • Liotta F., Chatellier P., Esposito G., Fabbicino M., **van Hullebusch E.D.**, Lens P.N.L. (2015) [Modified Anaerobic Digestion Model No.1 for dry and semi-dry anaerobic digestion of solid organic waste](#), *Environmental Technology*, 36 (7), 870-880 (impact factor in 2015 = 1.560).
78. • Staicu L., **van Hullebusch E.D.**, Lens P.N.L. (2015) [Production, recovery and reuse of biogenic elemental selenium](#), *Environmental Chemistry Letters*, 13, 89-96 (impact factor in 2015 = 2.573).
79. • Espinosa-Ortiz E.J., Gonzalez-Gil G., Saikaly P.E., **van Hullebusch E.D.**, Lens P.N.L. (2015) [Effects of selenium oxyanions on the white-rot fungus *Phanerochaete chrysosporium*](#), *Applied Microbiology and Biotechnology*, 99 (5), 2405-2418 (impact factor in 2015 = 3.337).
80. • Staicu L., **van Hullebusch E.D.**, Ackerson C.J., Oturan M.A., Lens P.N.L. (2015) [Removal of colloidal biogenic selenium from wastewater](#), *Chemosphere*, 125, 130–138 (impact factor in 2015 = 3.340).
81. • Vemic M., Bordas F., Guibaud G., Joussein E., Labanowski J., Lens P.N.L., **van Hullebusch E.D.** (2015) [Mineralogy and metals speciation in Mo rich mineral sludges generated at a metal recycling plant](#). *Waste Management*, 38, 303-311 (impact factor in 2014 = 3.220).
82. • Ferrand J., Rossano S., Loisel C., Trcera N., **van Hullebusch E.D.**, Fousta F., Pallot-Frossard I. (2015) [The browning phenomenon of medieval stained glass windows](#). *Analytical Chemistry*, 87(7), 3662-3669 (impact factor in 2015 = 5.636).
83. • Seder-Colomina M., Goubet A., Lacroix S., Morin G., Ona-Nguema G., Esposito G., **van Hullebusch E.D.**, Pernelle J.J. (2015) [Moderate oxygen depletion as a factor favouring the filamentous growth of *Sphaerotilus natans*](#), *Antonie van Leeuwenhoek Journal of Microbiology*, 107, 1135-1144 (impact factor in 2015 = 1.806).
84. • Agnello A.C., Huguenot D., **van Hullebusch E.D.**, Esposito G. (2015) [Phytotoxicity of citric acid and Tween 80® for potential use as soil amendments in assisted phytoremediation](#), *International Journal of Phytoremediation*, 17 (7), 669-677 (impact factor in 2014 = 1.466).
85. • Jain R., Seder-Colomina M., Jordan N., Cosmidis J., **van Hullebusch**

- E.D.**, Weiss S., Dessi P., Farges F., Lens P.N.L., (2005) [Entrapped elemental selenium nanoparticles affect physicochemical properties of selenium fed activated sludge](#), *Journal of Hazardous Materials*, 295, 193-200 (impact factor in 2015 = 4.529).
86. • Asokbunyarat V., **van Hullebusch E.D.**, Lens P.N.L., Annachatre A.P. (2015) [Coal Bottom Ash as Sorbing Material for Fe\(II\), Cu\(II\), Mn\(II\) and Zn\(II\) Removal from Aqueous Solutions](#), *Water, Air, and Soil Pollution*, 226 (5), 17 pp. (impact factor in 2015 = 1.554).
87. • Perez A., Rossano S., Trcera N., Verney-Carron A., Huguenot D., **van Hullebusch E.D.**, Catillon G., Razafitianamaharavo A., Guyot F. (2015) [Impact of iron chelators on short-term dissolution of basaltic glass](#), *Geochimica et Cosmochimica Acta*, 162, 83–98 (impact factor in 2015 = 4.330).
88. • Bourven I., Bhatia D., Simon S., **van Hullebusch E.D.**, Guibaud G. (2015) [Effect of various Size Exclusion Chromatography \(SEC\) columns on the fingerprints of Extracellular Polymeric Substances \(EPS\) extracted from biological sludge](#). *Journal of the Taiwan Institute of Chemical Engineers* 49, 148-155 (impact factor in 2015 = 3.000).
89. • Espinosa-Ortiz E.J., Rene E.R., **van Hullebusch E.D.**, Lens P.N.L. (2015) [Removal of selenite from wastewater in a *Phanerochaete chrysosporium* pellet based fungal bioreactor](#), *International Biodeterioration & Biodegradation*, 102, 361–369 (impact factor in 2015 = 2.131).
90. • Ding Z., Panico A., Caliendo L., Esposito G., **van Hullebusch E.D.**, Pirozzi F. (2015) [An innovative approach to remove nitrogen from wastewaters using a biological anaerobic ammonium oxidation \(Anammox\) process](#), *Chemical Engineering Transactions* , 43, 2245-2250 (impact factor in 2014 = 1.03).
91. • Liotta F., Chatellier P., Esposito G., Fabricino M., **van Hullebusch E.D.**, Lens P.N.L. (2015) [Current views on hydrodynamic models of non-ideal flow anaerobic reactors](#). *Critical Reviews in Environmental Science & Technology*, 45 (20), 2175-2207 (impact factor in 2015 = 3.468).
92. • Feng L., Watts M.J., Yeh D., Esposito G., **van Hullebusch E.D.** (2015) [The efficacy of ozone/BAC treatment on non-steroidal anti-inflammatory drugs removal from drinking water and surface water](#), *Ozone: Science & Engineering*, 37 (4), 343-356 (impact factor in 2014 = 0.953).
93. • Staicu L., Ackerson C., Cornelis P., Ye L., Berendsen R., Hunter W., Noblitt S., Henry C., Sura-de Jong M., Musilova L., Montenieri R., Cappa J., Reynolds J., Wong A., **van Hullebusch E.D.**, Lens P.N.L., Pilon-Smits E. (2015) [Pseudomonas moraviensis subsp. Stanleyae](#), a

- [bacterial endophyte of hyperaccumulator *Stanleya pinnata*, is capable of efficient selenite reduction to elemental selenium under aerobic conditions](#), *Journal of Applied Microbiology*, 119 (2), 400-410 (impact factor in 2014 = 2.386).
94. • Pangayao D.C., **van Hullebusch E.D.**, Gallardo S.M., Bacani F.T. (2015) [Bioleaching of trace metals from coal ash using mixed culture of *Acidithiobacillus albertensis* and *Acidithiobacillus thiooxidans*](#), *Journal of Engineering Science and Technology* Special Issue on SOMCHE 2014 & RSCE 2014 Conference, January (2015) 36 - 45 (no Impact factor in 2014).
95. • Ferraro A., **van Hullebusch E.D.**, Huguenot D., Fabbicino M., Esposito G. (2015) [Application of an electrochemical treatment for EDDS soil washing solution regeneration and reuse in a multi-step soil washing process: case of a Cu contaminated soil](#). *Journal of Environmental Management*, 163, 62–69 (impact factor in 2015 = 2.723).
96. • Gallardo S., **van Hullebusch E.D.**, Pangayao D., Salido B.M., Ronquillo R. (2015) [Chemical, leaching and toxicity characteristics of Circulating Fluidized Bed ashes from a Philippine coal-fired power plant](#), *Water, Air, and Soil Pollution*, 226 (9), 11 pp. (impact factor in 2015 = 1.554).
97. • Potysz A., **van Hullebusch E.D.**, Kierczak J., Grybos M., Lens P.N.L., Guibaud G. (2015) [Copper metallurgical slags – current knowledge and fate](#), *Critical Reviews in Environmental Science & Technology*, 45 (22), 2424-2488 (impact factor in 2015 = 3.468).
98. • Oturan N., **van Hullebusch E.D.**, Zhang H., Mazeas L., Budzinski H., Le Menach K., Oturan M.A. (2015), [Occurrence and removal of organic micropollutants in landfill leachates treated by electrochemical advanced oxidation processes](#), *Environmental Science & Technology*, 49 (20), 12187–12196 (impact factor in 2015 = 5.33).
99. • Ding Z., Bourven I., Guibaud G., **van Hullebusch E.D.**, Panico A., Pirozzi F., Esposito G. (2015) [Role of extracellular polymer substances \(EPS\) production in bioaggregation: application to wastewater treatment](#). *Applied Microbiology and Biotechnology*, 99 (23), 9883-9905 (impact factor in 2015 = 3.337).
100. • Ganiyu S.O., **van Hullebusch E.D.**, Cretin M., Esposito G., Oturan M.A., (2015) [Coupling of membrane filtration and advanced oxidaton processes for removal of pharmaceutical residues : a critical review](#), *Separation and Purification Technology*, 156 (3), 891-914 (impact factor in 2015 = 3.091).
101. • Ganzenko O., Oturan N., Huguenot D., **van Hullebusch E.D.**, Esposito G., Oturan M.A. (2015) [Removal of psychoactive](#)

- [pharmaceutical caffeine from water by electro-Fenton process using BDD anode: Effects of operating parameters on mineralization efficiency](#), *Separation and Purification Technology*, 156 (3), 987-995 (impact factor in 2015 = 3.091).
102. • Herisson J., Guéguen-Minerbe M., **van Hullebusch E.D.**, Saucier F., Bourgier V., Chaussadent T. (2015) [Conditions sévères de biocorrosion en réseau d'assainissement : résistance de différents matériaux cimentaires](#), *Techniques - Sciences - Méthodes*, 11, 23-34 (no impact factor in 2014).
103. • Olvera-Vargas H., Oturan N., Buisson D., **van Hullebusch E.D.**, Oturan M.A. (2015) [Electro-oxidation of the pharmaceutical Furosemide: Kinetics, mechanism and by-products](#), *CLEAN – Soil, Air, Water*, 43 (11), 1455-1463 (Impact Factor in 2014 = 1.838).
104. • Seder-Colomina, M.; Morin, G.; Brest, J.; Ona-Nguema, G.; Gordien, N.; Pernelle, J.-J.; Banerjee, D.; Mathon, O.; Esposito, G.; **van Hullebusch, E.D.** (2015) [Uranium \(VI\) scavenging by amorphous iron phosphate encrusting *Sphaerotilus natans* filaments](#), *Environmental Science & Technology*, 49 (24), 14065–14075 (impact factor in 2015 = 5.33).
- 2016**
105. • Mousset E., Frunzo L., Esposito G., **van Hullebusch E.D.**, Oturan N., Oturan M.A. (2016) [A complete phenol oxidation pathway obtained during electro-Fenton treatment and validated by a kinetic model study](#), *Applied Catalysis B: Environmental*, 180, 189–198 (impact factor in 2016= 8.328).
106. • Espinosa-Ortiz E.J., Rene E.R., Pakshirajan K., **van Hullebusch E.D.**, Lens P.N.L. (2016) [Fungal pelleted reactors in wastewater treatment: applications and perspectives](#), *Chemical Engineering Journal*, 283, 553–571 (impact factor in 2016 = 5.310).
107. • Jain R., Dominic D., Jordan N., Rene E.R., Weiss S., **van Hullebusch E.D.**, Hübner R., Lens P.N.L. (2016) [Preferential adsorption of Cu in a multi-metal mixture onto biogenic elemental selenium nanoparticles](#), *Chemical Engineering Journal*, 284, 917-925 (impact factor in 2016 = 5.310).
108. • Potysz A., Kierczak J., Fuchs Y., Grybos M., Guibaud G., Lens P.N.L., **van Hullebusch E.D.** (2016) [Characterization and pH-dependent leaching behaviour of historical and modern copper slags](#), *Journal of Geochemical Exploration*, 160, 1–15 (impact factor in 2016 = 2.147).
109. • Potysz A., Grybos M., Kierczak J., Guibaud G., Lens P.N.L., **van Hullebusch E.D.** (2016) [Bacterially-mediated weathering of](#)

- [crystalline and amorphous Cu-slugs](#). *Applied Geochemistry*, 64, 92-106 (impact factor in 2016 = 2.468).
110. • Yin N.-H., Sivry Y., Benedetti M.F., Lens P.N.L., **van Hullebusch E.D.** (2016) [Application of Zn isotopes in environmental impact assessment of Zn-Pb metallurgical industries: a review](#), *Applied Geochemistry*, 64, 128-135 (impact factor in 2016 = 2.468).
111. • Trelu C., Mousset E., Pechaud Y., Huguenot D., **van Hullebusch E.D.**, Esposito G., Oturan M.A. (2016) [Removal of hydrophobic organic pollutants from soil washing/flushing solutions: A critical review](#). *Journal of Hazardous Materials*, 306, 149-174 (impact factor in 2016 = 4.836).
112. • Jain R., Matassa S., Singh S., **van Hullebusch E.D.**, Esposito G., Lens P.N.L. (2016) [Reduction of selenite to elemental selenium nanoparticles by activated sludge](#). *Environmental Science and Pollution Research*, 23(2), 1193-1202 (impact factor in 2016 = 2.760).
113. • Mousset E., Huguenot D., **van Hullebusch E.D.**, Oturan N., Guibaud G., Esposito G., Oturan M.A. (2016) [Impact of electrochemical treatment of soil washing solution on PAH degradation efficiency and soil respirometry](#). *Environmental Pollution*, 211, 354-362 (impact factor in 2016 = 4.839).
114. • Mal J., Nancharaiah Y.V., **van Hullebusch E.D.**, Lens P.N.L. (2016) [Effect of heavy metal co-contaminants on selenite bioreduction by anaerobic granular sludge](#), *Bioresource Technology*, 206, 1-8 (impact factor in 2016 = 4.917).
115. • Liotta F., Esposito G., Fabbricino M., **van Hullebusch E.D.**, Lens P.N.L., Pirozzi F., Pontoni L. (2016) [Methane and VFA production in anaerobic digestion of rice straw under dry, semi-dry and wet conditions during start-up phase](#), *Environmental Technology*, 37 (5), 505-512 (impact factor in 2016 = 1.760).
116. • Vemic M., Bordas F., Guibaud G., Comte S., Joussein E., Lens P.N.L., **van Hullebusch E.D.** (2016) [Acid extraction of molybdenum, nickel and cobalt from mineral sludge generated by rainfall water at a metal recycling plant](#). *Environmental Technology*, 37 (5), 630-639 (impact factor in 2016 = 1.760).
117. • Ferraro A., Fabbricino M., **van Hullebusch E.D.**, Esposito G. (2016) [Calibration and validation of a two-step kinetic mathematical model for prediction of Cu extraction efficiency in a EDDS-enhanced soil washing](#), *Water, Air, and Soil Pollution*, 227, 71 (impact factor in 2016 = 1.551).
118. • Ferraro A., Fabbricino M., **van Hullebusch E.D.**, Esposito G., Pirozzi F. (2016) [Effect of soil/contamination characteristics and process operational conditions on aminopolycarboxylates enhanced soil](#)

- [washing for heavy metals removal: A review](#), *Re/Views in Environmental Science & Bio/Technology*, 15 (1), 111-145 (impact factor in 2016 = 4.352).
119. • Dessi P., Jain R., Singh S., Seder-Colomina M., **van Hullebusch E.D.**, Shaikh Ziauddin A., Rene E.R., Carucci A., Lens P.N.L. (2016) [Effect of temperature on selenium removal from wastewater by UASB reactors](#). *Water Research*, 94, 146-154 (impact factor in 2016 = 5.991).
120. • Potysz A., Lens P.N.L., van de Vossenberg J., Rene E.R., Grybos M., Kierczak J., Guibaud G., **van Hullebusch E.D.** (2016) [Comparison of Cu, Zn and Fe bioleaching from Cu-metallurgical slags in the presence of *Pseudomonas fluorescens* and *Acidithiobacillus thiooxidans*](#). *Applied Geochemistry*, 68, 39-52 (impact factor in 2016 = 2.468).
121. • Sethurajan M., Huguenot D., Lens P.N.L., Horn H.A., Figueiredo L.H.A., **van Hullebusch E.D.** (2016) [Leaching and selective copper recovery from acidic leachates of Três Marias zinc plant \(MG, Brazil\) metallurgical purification residues](#), *Journal of Environmental Management*, 177, 26–35 (impact factor in 2016 = 3.131).
122. • Espinosa-Ortiz E.J., Pechaud Y., Lauchnor E., Rene E.R., Gerlach R., Peyton B.M., **van Hullebusch E.D.**, Lens P.N.L. (2016) [Effect of selenite on morphology and respiratory activity of *Phanerochaete chrysosporium* biofilms](#). *Bioresource Technology*, 210, 138–145 (impact factor in 2016 = 4.917).
123. • Sethurajan M., Huguenot D., Lens P.N.L., Horn H.A., Figueiredo L.H.A., **van Hullebusch E.D.** (2016) [Fractionation and leachability of heavy metals from aged and recent Zn-metallurgical leach residues from the Três Marias zinc plant \(MG, Brazil\)](#), *Environmental Science and Pollution Research*, 23 (8), 7504-7516 (impact factor in 2016 = 2.760).
124. • Mal J., Nancharaiah Y.V., **van Hullebusch E.D.**, Lens P.N.L. (2016) [Metal Chalcogenide quantum dots: biotechnological synthesis and applications](#). *RSC Advances*, 6, 41477-41495 (impact factor in 2015 = 3.840).
125. • Trelu C., Péchaud Y., Oturan N., Mousset E., Huguenot D., **van Hullebusch E.D.**, Esposito G., Oturan M.A. (2016) [Comparative study on the removal of humic acids from drinking water by anodic oxidation and electro-Fenton processes: Mineralization efficiency and modelling](#). *Applied Catalysis B: Environmental*, 194, 32-41 (impact factor in 2016 = 8.328).
126. • Agnello A.C., Huguenot D., **van Hullebusch E.D.**, Esposito G. (2016) [Citric acid- and Tween® 80-assisted phytoremediation of a co-](#)

- [contaminated soil vegetated with alfalfa \(*Medicago sativa* L.\)](#).
Environmental Science and Pollution Research, 23(9), 9215-9226
(impact factor in 2016 = 2.760).
127. • Yin N.-H., Sivry Y., Guyot F., Lens P.N.L., **van Hullebusch E.D.** (2016) [Evaluation on chemical stability of lead blast furnace \(LBF\) and imperial smelting furnace \(ISF\) slags](#), *Journal of Environmental Management*, 180, 310–323 (impact factor in 2016 = 3.131).
128. • Agnello A.C., Bagard M., **van Hullebusch E.D.**, Esposito G., Huguenot D. (2016) [Comparative bioremediation of heavy metals and petroleum hydrocarbons co-contaminated soil by natural attenuation, phytoremediation, bioaugmentation and bioaugmentation-assisted phytoremediation](#), *Science of the Total Environment*, 563–564, 693–703 (impact factor in 2016 = 3.976).
129. • Vemic M., Bordas F., Comte S., Guibaud G., Lens P.N.L., **van Hullebusch E.D.** (2016) [Recovery of molybdenum, nickel and cobalt by precipitation from the acidic leachate of a mineral sludge](#), *Environmental Technology*, 37 (17), 2231-2242 (impact factor in 2016 = 1.760).
130. • Perez A., Rossano S., Trcera N., Verney-Carron A., Huguenot D., **van Hullebusch E.D.**, Fourdrin C., Guyot F. (2016) [Bioalteration of synthetic Fe\(III\)-, Fe\(II\)-bearing basaltic glasses and Fe-free glass in the presence of heterotrophic bacteria *Pseudomonas aeruginosa*: impact of siderophores](#). *Geochimica et Cosmochimica Acta*, 188, 147–162 (impact factor in 2016 = 4.315).
131. • Tan L., Nancharaiyah Y.V., **van Hullebusch E.D.**, Lens P.N.L., (2016) [Selenium: environmental significance, pollution, and biological treatment technologies](#), *Biotechnology Advances*, 34 (5), 886–907 (impact factor in 2016 = 9.848).
132. • Trelu C., Ganzenko O., Papirio S., Pechaud Y., Oturan N., Huguenot D., **van Hullebusch E.D.**, Esposito G., Oturan M.A. (2016) [Combination of anodic oxidation and biological treatment for the removal of phenanthrene and Tween 80 from soil washing solution](#). *Chemical Engineering Journal*, 306, 588-596 (impact factor in 2016 = 5.310).
133. • Lukic B., Huguenot D., Panico A., Fabbricino M., **van Hullebusch E.D.**, Esposito G. (2016) [Importance of organic amendment characteristics on bioremediation of PAH-contaminated soil](#), *Environmental Science and Pollution Research*, 23 (15), 15041–15052 (impact factor in 2016 = 2.760).
134. • Pontoni L., **van Hullebusch E.D.**, Fabbricino M., Esposito G., Pirozzi F. (2016) [Assessment of trace heavy metals dynamics during the interaction of aqueous solutions with the artificial OECD soil:](#)

- [evaluation of the effect of soil organic matter content and colloidal mobilization](#), *Chemosphere*, 163, 382–391 (impact factor in 2016 = 3.698).
135. • Lukic B., Panico A., Huguenot D., Fabbricino M., **van Hullebusch E.D.**, Esposito G. (2016) [Evaluation of PAH removal efficiency in an artificial soil amended with different types of organic wastes](#), *Euro-Mediterranean Journal for Environmental Integration*, 1, 5 (impact factor in 2016 = new journal).
136. • Jain R., Dominic D., Jordan N., Rene E.R., Weiss S., **van Hullebusch E.D.**, Hübner R., Lens P.N.L. (2016) [Adsorption of Cd onto biogenic elemental selenium nanoparticles](#), *Environmental Chemistry Letters*, 14 (3), 381–386 (impact factor in 2016 = 2.918).
137. • Ganiyu S.O., Oturan N., Raffy S., Cretin M., Esmilaire R., **van Hullebusch E.D.**, Esposito G., Oturan M.A., (2016) [Sub-stoichiometric titanium oxide \(Ti₄O₇\) as a suitable ceramic anode for electrooxidation of organic pollutants: A case study of kinetics, mineralization and toxicity assessment of amoxicillin](#), *Water Research*, 106, 171–182 (impact factor in 2016 = 5.991).
138. • **van Hullebusch E.D.**, Guibaud G., Simon S., Lenz M., Shakeri Yekta S., Feroso F.G., Jain R., Duester L., Roussel J., Guillon E., Skjellberg U., Almeida C.M.R., Pechaud Y., Garuti M., Frunzo L., Esposito G., Carliell-Marquet C., Ortner M., Collins G. (2016) [Methodological approaches for trace element fractionation and speciation analysis to estimate bioavailability in anaerobic digestion ecosystems: an overview](#), *Critical Reviews in Environmental Science & Technology*, 46 (16), 1324–1366 (impact factor in 2016 = 4.000).
139. • Isildar A., van de Vossenberg J., Rene E.R., **van Hullebusch E.D.**, Lens P.N.L. (2016) [Two-step bioleaching of copper and gold from discarded printed circuit boards \(PCB\)](#), *Waste Management*, 57, 149–157 (impact factor in 2016 = 3.829).
140. • Espinosa-Ortiz E.J., Shakya M., Jain R., Rene E.R., **van Hullebusch E.D.**, Lens P.N.L. (2016) [Sorption of zinc onto elemental selenium nanoparticles immobilized in *Phanerochaete chrysosporium* pellets](#), *Environmental Science and Pollution Research*, 23 (21), 21619–21630 (impact factor in 2016 = 2.760).
141. • Pontoni L., **van Hullebusch E.D.**, Pechaud Y., Fabbricino M., Esposito G., Pirozzi F. (2016) [Colloidal Mobilization and Fate of Trace Heavy Metals in Semi-Saturated Artificial Soil \(OECD\) Irrigated with Treated Wastewater](#), *Sustainability* 2016, 8(12), 1257 (impact factor in 2016 = 1.343).

2017

142. • Herisson J., Guéguen-Minerbe M., **van Hullebusch E.D.**, Chaussadent T. (2017) [Influence of the binder on the behaviour of mortars exposed to H₂S in sewer networks: a long-term durability study](#). *Materials and Structures*, 50: 8 (impact factor in 2016 = 2.453).
143. • Sethurajan M., Huguenot D., Jain R., Lens P.N.L., Horn H.A., Figueiredo L.H.A., **van Hullebusch E.D.** (2017) [Leaching and selective zinc recovery from acidic leachates of zinc metallurgical leach residues](#), *Journal of Hazardous Materials*, 324, 71–82 (impact factor in 2016 = 4.836).
144. • Riggio S., Torrijos M., Debord R., Esposito G., **van Hullebusch E.D.**, Steyer J.P., Escudié R. (2017) [Mesophilic anaerobic digestion of several types of spent livestock bedding in a batch leach-bed reactor: substrate characterization and process performance](#), *Waste Management*, 59, 129–139 (impact factor in 2016 = 3.829).
145. • Ding Z., Ventrino V., Panico A., Pepe O., **van Hullebusch E.D.**, Pirozzi F., Bourven I., Guibaud G., Esposito G. (2017) [Enrichment of Anammox biomass from different seeding sludge: process strategy and microbial diversity](#), *Water, Air, and Soil Pollution*, 228:10 (impact factor in 2016 = 1.551).
146. • Mal J., Nancharaiyah Y.V., Maheshwari N., **van Hullebusch E.D.**, Lens P.N.L. (2017) [Continuous removal and recovery of tellurium in an upflow anaerobic granular sludge bed reactor](#), *Journal of Hazardous Materials*, 327, 79-88 (impact factor in 2016 = 4.836).
147. • Trelu C., Miltner A., Gallo R., Huguenot D., **van Hullebusch E.D.**, Esposito G., Oturan M.A., Kästner M. (2017) [Characteristics of PAH tar oil contaminated soils - black particles, resins and implications for treatment strategies](#), *Journal of Hazardous Materials*, 327, 206–215 (impact factor in 2016 = 4.836).

In press or in revision

148. • Sethurajan M., Lens P.N.L., Rene E.R., van de Vossenberg J., Huguenot D., Horn H.A., Figueiredo L.H.A., **van Hullebusch E.D.** (2017) [Biobleaching and selective biorecovery of zinc from zinc metallurgical leach residues from the Três Marias zinc plant \(Minas Gerais, Brazil\)](#), *Journal of Chemical Technology & Biotechnology*, in press (impact factor in 2016 = 2.738).
149. • Kiskira K., Papirio S., **van Hullebusch E.D.**, Esposito G. (2017) [Ferrous iron mediated autotrophic denitrification: A new bioprocess for iron bioprecipitation/biorecovery and simultaneous treatment of nitrate-containing wastewaters](#), *International Biodeterioration & Biodegradation*, in press (impact factor in 2016 = 2.429).

150. • Cao F., Bourven I., Lens P.N.L., **van Hullebusch E.D.**, Pechaud Y., Guibaud G. (2017) [Hydrophobic features of EPS extracted from anaerobic granular sludge : an analytical approach based on DAX-8 resin fractionation and size exclusion chromatography](#), *Applied Microbiology and Biotechnology*, in press (impact factor in 2015 = 3.376).
151. • Mal J., Veneman W.J., Nancharaiah Y.V., **van Hullebusch E.D.**, Peijnenburg W.J.G.M., Vijver M.G., Lens P.N.L. (2017) [A comparison of fate and toxicity of selenite, biogenically and chemically synthesized selenium nanoparticles to the Zebrafish \(*Danio rerio*\) embryogenesis](#), *Nanotoxicology*, in press (impact factor in 2016 = 7.913).
152. • Ganiyu S.O., Thi Xuan Huong Le, Bechelany M., Esposito E., **van Hullebusch E.D.**, Oturan M.A., Cretin M. (2017) [Hierarchical CoFe-Layered Double Hydroxide Modified Carbon-felt Cathode for Heterogeneous Electro-Fenton process](#), *Journal of Materials Chemistry A*, in press (impact factor in 2016 = 8.262).
153. • Mal J., Nancharaiah Y.V., **van Hullebusch E.D.**, Lens P.N.L. (2017) [Biological removal of selenate and ammonium by activated sludge in a sequencing batch reactor](#), *Bioresource Technology*, in press (impact factor in 2016 = 4.917).
154. • Lukic B., Huguenot D., Panico A., **van Hullebusch E.D.**, Esposito G. (2017) [Influence of Activated Sewage Sludge Amendment on PAHs Removal Efficiency from a Naturally Contaminated Soil: Application of the Landfarming Treatment](#), *Environmental Technology*, accepted (impact factor in 2016 = 1.760).

Book Chapters

1. • Jain R., Gonzalez G., Singh V., **van Hullebusch E.D.**, Farges F., Lens P.N.L. (2014) [Biogenic Selenium Nanoparticles: Production, Characterization and Challenges](#), ISBN: 1-62699-025-5 Book chapter published in *Biotechnology Volume 10: Nanobiotechnology* by [Studium press LLC](#), ISBN: 9781626990258.
2. • **van Hullebusch E.D.** and Pechaud Y. (2015) [Role of natural and engineered biofilms composition on toxic inorganic contaminants immobilisation](#), Chapter 11 p 281-306 Edited by Abhilash, B.D. Panday and K.A. Natarajan Published by CRC press book "[Microbiology for Minerals, Metals, Materials and Environment](#) (ISBN-978-1-4822-5729-8, Cat. No.K24089)"
3. • Feroso F. G., **van Hullebusch E.D.**, Guibaud G., Collins G., Svensson B.H., Carliell-Marquet C., Vink J., Esposito G., Frunzo L. (2015) [Fate of trace metals in anaerobic digestion](#), book chapter

published in [Advances in Biochemical Engineering/Biotechnology](#) and the issue on [Biogas Science and Technology](#) Editors: Guebitz, G.M., Bauer, A., Bochmann, G., Gronauer, A., Weiss, S. (Eds.) 151, 171-195 (impact factor in 2014 = 2.6).

4. • Işıldar A., van de Vossenberg J., Rene E.R., **van Hullebusch E.D.** and Lens P.N.L. (2017) Recovery of metals from electronic waste by bioprocesses, *Sustainable Heavy Metal Remediation. Volume 2: Case studies Springer book, in press*
5. • Yin N.H., Lens P.N.L., Sivry Y. and **van Hullebusch E.D.** (2017) Lead and zinc metallurgical slags mineralogy and weathering: a review, *Sustainable Heavy Metal Remediation. Volume 2: Case studies Springer book, in press*
6. • Sethurajan M., Lens P.N.L., Horn H.A., Figueiredo L.H.A. and **van Hullebusch E.D.** (2017) Leaching and recovery of metals from metallic industrial sludges, dusts and residues – A review, *Sustainable Heavy Metal Remediation. Volume 2: Case studies Springer book, in press*
7. • Vemic M., Bordas F., Guibaud G., Lens P.N.L. and **van Hullebusch E.D.** (2017) Leaching and recovery of molybdenum from spent catalysts: A Review, *Sustainable Heavy Metal Remediation. Volume 2: Case studies Springer book, in press*

Conference proceedings

- 1- van Hullebusch E., Combrouze Ph., Deluchat V., Chazal Ph., Auvray F. and Baudu M., (2001), Devenir dans la colonne d'eau des métaux utilisés pour le traitement curatif des plans d'eau eutrophes : sulfate d'aluminium et sulfate de cuivre. Proceeding of 4th International Congress of GRUTTEE, 132-135.
- 2- van Hullebusch E., Chatenet P., Deluchat V., Chazal P.M., Froissard D., Lens P.N.L. and Baudu M., (2003), Fate and forms of Cu in a reservoir ecosystem following copper sulfate treatment (Saint Germain les belles, France), J. Phys. IV France, 107, 1333-1336.
- 3- van Hullebusch E., Peerbolte A., Zandvoort M.H. and Lens P.N.L., (2004), Nickel and Cobalt accumulation in Anaerobic Granular Sludges: Isotherms and Sequential Extraction Analysis, in Young Researchers 2004 Edited by P.N.L. Lens and R. Stuetz (Eds), IWA publishing, London, UK, 247-257.
- 4- Pevere A., Guibaud G., van Hullebusch E., Lens P.N.L. and Baudu M., (2004), Effect of Inoculum and Sludge Concentration on Viscosity Evolution of Anaerobic Granular Sludges, Proceeding of the 10th World Congress on Anaerobic Digestion, August 29th – September 2nd 2004, Montreal, Canada, 1133-1138.
- 5- van Hullebusch E., Utomo S., Zandvoort M.H. and Lens P.N.L., (2004)

- Evaluation of Essential Metals Speciation in Anaerobic Granular Sludges, Proceeding of the 10th World Congress on Anaerobic Digestion, August 29th – September 2nd 2004, Montreal, Canada, 2482-2484.
- 6- Virkutyte, J., Sillanpää, M., van Hullebusch, E. and Lens. P., (2005), Copper Fractionation in Electrokinetically Treated Methanogenic Anaerobic Granular Sludge, Proc. 6th Finnish Conf. Environ. Sci., Jyväskylä, Finland, May 12-13, 2005 47-50.
 - 7- van Hullebusch E., Auvray F., Deluchat V., Chazal Ph.M and Baudu M., (2005) Impact of alum treatment on phosphorus sediment fractionation and short term release in polymictic shallow lake : influence of pH conditions, Proceedings of 10th International Symposium on the Interactions between Sediments and Water, Materials and Geoenvironment 52 (1) 63-66.
 - 8- Pevere A., Guibaud G., van Hullebusch E., Lens P.N.L. and Baudu M., (2005) Détermination de paramètres rhéologiques capables de rendre compte de l'évolution de la boue au sein de réacteurs d'épuration anaérobie. Récents Progrès en Génie des Procédés, 92, G-13, 1-8. Proceedings of the 10th Congrès de la société Française de Génie des Procédés : "Toulouse 2005: le génie des procédés vers de nouveaux espaces". 20-22 September 2005, Toulouse, France.
 - 9- van Hullebusch E., Oturan N., Murati M. and Oturan M.A., (2006), Electro-Fenton treatment of TNT from contaminated soil wash solution containing cyclodextrin. Proceedings of the 1st European Conference on Environmental Applications of Advanced Oxidation Processes (EAAOP), 7-9 September 2006, Chania, Greece.
 - 10- van Hullebusch E., F. Farges F., Lenz M., Lens P., and Brown Jr G.E. (2007) Selenium Speciation in Biofilms from Granular Sludge Bed Reactors Used for Wastewater Treatment. AIP Conference Proceedings, Proceedings of the 13th International Conference on X-ray Absorption Fine Structure (XAFS13), July 9-14, 2006, Stanford, CA, U.S.A. 882, 229 – 231
 - 11- Chaussadent T. Boinski F., van Hullebusch E., Chatellier P. and (2009) Etude des mécanismes de biodégradation du matériau béton pour une optimisation de la durabilité des réseaux d'assainissement. Récents Progrès en Génie des Procédés, Numéro 98 – 2009. Proceedings of XIIème Congrès de la Société Française de Génie des Procédés, Marseille, France, 14-16 October 2009.
 - 12- Harfouche M., Labanowski J., Farges F., van Hullebusch E., van Oort F., Borca C. (2009) Mechanisms of Zn bioavailability related to

- speciation of metal-particulate organic matter associations in polluted soils Proceedings of 14th International Conference on X-ray Absorption Fine Structure (XAFS14), July 26-31, 2009, Camerino, Italy. J. Phys.: Conf. Ser. 190
- 13- Rossano S., Jean-Soro L., Boizot B., Farges F., van Hullebusch E., Labanowski J., Gouzin L., Linares J., Grattage J., Harfouche M. (2009) Structural changes under beta irradiation in an iron-bearing soda lime glass system, Proceedings of 14th International Conference on X-ray Absorption Fine Structure (XAFS14), July 26-31, 2009, Camerino, Italy. J. Phys.: Conf. Ser. 190
- 14- van Hullebusch E., Rossano S., Farges F., Lenz M., Labanowski J., Lagarde P., Flank A.-M., Lens P., (2009) Sulfur K-edge XANES spectroscopy as a tool for understanding sulfur chemical state in anaerobic granular biofilms. Proceedings of 14th International Conference on X-ray Absorption Fine Structure (XAFS14), July 26-31, 2009, Camerino, Italy. J. Phys.: Conf. Ser. 190
- 15- Chaussadent, T., Boinski, F., Herisson, J., van Hullebusch, E. (2010) Study of concrete alteration in sewer systems by biogenic sulfuric acid. Concrete under Severe Conditions: Environment and Loading - Proceedings of the 6th International Conference on Concrete under Severe Conditions, CONSEC'10, 1, pp. 577-582.
- 16- Herisson J., Gueguen M., van Hullebusch E.D., Taquet P., Chaussadent T. (2012) Reaching more sustainable sewer networks through an accelerated test. Proceedings of the International Conference. Durable Structures. From construction to rehabilitation. May 31st – June 1st 2012, Lisbon, Portugal.
- 17- Mousset E., Oturan N., van Hullebusch E.D., Guibaud G., Esposito G., Oturan M.A., (2012) Electro-Fenton treatment of soil washing solution of phenanthrene with cyclodextrin using different kind of anode materials: impacts on toxicity and biodegradability. WSEAS TRANSACTIONS ON ENVIRONMENT AND DEVELOPMENT - ISBN: 978-1-61804-139-5, pp. 105-110.
- 18- Venault de Bourleuf E., Ferrand J., Rossano S., Loisel C., Bauchau F., Bousta F., Oriol G., François A., van Hullebusch E.D., Trcera N., Pallot-Frossard I. (2013) Étude du phénomène de brunissement de vitraux médiévaux / The browning phenomenon of medieval stained glass windows. Proceedings du Colloque Sciences des Matériaux du Patrimoine Culturel, 20-21 November 2012, Institut national d'histoire de l'art – Auditorium Colbert, Paris, France - ISBN: 978-2-11-138534-4 pp. 115-119.

- 19- Herisson J., Guéguen-Minerbe M., van Hullebusch E.D., Chaussadent T. (2013) Definition of an appropriate cementitious material formulation for sewer networks. Proceedings of the 7th International Conference on Sewer Processes & Networks, 28-30 August 2013, Sheffield, UK.
- 20- Yin, N.H., Sivry, Y., Lens P.N.L., van Hullebusch E.D. (2013). Study of Pb Isotopic Compositions during Metallurgical Slags Leaching Experiments, *Mineralogical Magazine*, 77(5) 2559.
- 21- Yin, N.H., Sivry, Y., Lens P.N.L., van Hullebusch E.D. (2013). δ Zn Values: An Isotopic Tool for Comprehension of Metallurgical Slags Weathering, *Mineralogical Magazine*, 77(5) 2558.
- 22- Perez A, Rossano S, Trcera N, Huguenot D, van Hullebusch E.D., Verney-Caron A & Sarrasin L (2013) Impact of Organic Acids and Siderophores on Dissolution of Basaltic Glasses in Ultrapure Water at 25°C and pH 6.3 *Mineralogical Magazine*, 77(5) 1948
- 23- Ferrand J, Rossano S, Loisel C, Trcera N, Farges F, van Hullebusch E.D., Boust F & Pallot-Frossard I (2013) The Browning Phenomenon of Medieval Stained Glass Windows *Mineralogical Magazine*, 77(5) 1079
- 24- Herisson J., Guéguen-Minerbe M., Chaussadent T., van Hullebusch E.D. (2014) A reproducible, representative and accelerated test to reach sustainable structures in sewer networks. Proceedings of the International Conference on Calcium Aluminates, 18-21 May 2014, Avignon, France, 12 p.
- 25- Herisson J., van Hullebusch E.D., Guéguen-Minerbe M., Chaussadent T. (2014) Calcium aluminate materials: a sustainable answer against biodeterioration in sewer networks, Proceedings of the International Conference on Calcium Aluminates, 18-21 May 2014, Avignon, France, 12 p.
- 26- Asokbunyarat V., van Hullebusch E.D., Lens P.N.L., Annachatre A.P. (2015) Adsorption of Heavy metals from Acid Mine Drainage by Coal Bottom Ash, Proceedings of the 4th International Conference on Research Frontiers in Chalcogen Cycle Science & Technology, 29-39.

REFERENCES

Available on request

CERTIFICATION

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience. I understand that any willful misstatement described herein may lead to my disqualification or dismissal, if engaged.

Signature:

Date: