

## ALLEGATO B

UNIVERSITÀ DEGLI STUDI DI MILANO

selezione pubblica per n. \_1\_ posto/i di Ricercatore a tempo determinato in tenure track (RTT)

per il settore concorsuale \_\_\_\_\_ 07/E1 - Chimica Agraria, Genetica Agraria e Pedologia \_\_\_\_\_ ,

settore scientifico-disciplinare \_\_\_\_\_ AGR/13 - Chimica Agraria \_\_\_\_\_

presso il Dipartimento di \_ SCIENZE AGRARIE E AMBIENTALI - PRODUZIONE, TERRITORIO, AGROENERGIA

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## [Andrea Schievano] CURRICULUM VITAE

Datato 26-10-2023

### INFORMAZIONI PERSONALI

COGNOME	SCHIEVANO
NOME	ANDREA
DATA DI NASCITA	[ 08, 10, 1980 ]

### • PERSONAL INFORMATION

Schievano, Andrea; ORCID: 0000-0003-3458-2654; Date of birth: October 08<sup>th</sup>, 1980; Nationality: Italian; URL for web sites: [www.researchgate.net/profile/Andrea\\_Schievano](http://www.researchgate.net/profile/Andrea_Schievano)

### • CURRENT POSITION(S)

May 2019 ahead	<b>Researcher (Contract agent) at Joint Research Center (European Commission) Ispra (VA) - Italy</b> <i>Monitoring Agricultural ResourceS (MARS) Unit – Food security Unit</i>
June 2020 - ahead	<b>Research consultant at University of Milan – Department of Environmental Science and Policy</b>

### • INSTITUTIONAL RESPONSIBILITIES

2022- ahead	<b>Member of the expert group Committee for nutrients cycles – European Commission</b>
2017 - ahead	<b>R&amp;D consultant for the Start-up company AlgAria – Spireat</b>
2018-ahead	<b>Member of the Joint research Center Gaia 2050 - <a href="http://gaia2050.unimi.it/">http://gaia2050.unimi.it/</a></b>
2016- ahead	<b>Scientific coordinator of the e-BioCenter Joint Research Center – <a href="http://sites.unimi.it/e-biocenter">sites.unimi.it/e-biocenter</a></b> e-BioCenter is a joint research platform at University of Milan, with multidisciplinary approach on environmental applications of microbial electrochemical systems.
2015 -ahead	<b>Member of the board of professors in the PhD school of ‘Agriculture Environment and Bioenergy’ – University of Milan</b>

### • ACADEMIC QUALIFICATIONS/TITLES AND AWARDS

2013	<b>National Scientific qualification (Abilitazione Scientifica Nazionale) for Associate Professorship:</b> <ol style="list-style-type: none"><li>1. Agricultural chemistry, genetics and pedology (07/E1) Validity: 25/10/2018 - 25/10/2024</li><li>2. Abilitazione scientifica nazionale nel settore 08/A2 - INGEGNERIA SANITARIA - AMBIENTALE, INGEGNERIA DEGLI IDROCARBURI E FLUIDI NEL SOTTOSUOLO, DELLA SICUREZZA E PROTEZIONE IN AMBITO CIVILE – Validity: 09/10/2019 - 09/10/2025</li></ol>
2010	Title of " <b>Culture della materia</b> ", (University Committee Member) in agricultural biotechnologies at University of Milan - Italy
2010	<b>Award for PhD thesis "Prize in honor of Prof. Pierluigi Genevini" 2009-2010 – University of Milan</b>

2010	<b>Award for PhD thesis</b> in the field of Environmental Biotechnologies – <b>Etra Spa</b>
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• **PREVIOUS POSITIONS and FELLOWSHIPS**

Sep2015 - May2019	<b>Researcher (RTDa) at University of Milan - Italy</b> Principal Investigator of the project: BiofuelcellAPP; SIR (Scientific Independence of Young Researchers) program 2014; Financed by Italian Ministry of University and Research (MIUR). Duration: 4-years, Grant: € 523.000
Dec 2011 – Jun 2015	<b>Post-Doc research position at DiSAA, University of Milan – Italy</b> Agriculture/Environment/Climate interface Circular economy/technologies in the agricultural sector. Emissions reduction. Environmental/Climate mitigation. Nutrients cycling. Bioprocessing. Chemical-physical and enzymatic pre-treatments of biomass and agro-industrial waste/wastewater refinery.
Jun 2011 - Nov 2011	<b>Post-Doc research fellowship at University of Milan – Italy.</b> Agriculture/Environment/Climate interface Integrated technologies for biogas production, nitrogen and nutrient cycle sustainability and added-value biorefinery in agro-food and farming industries
Jan 2010 - Jan 2011	<b>Post-Doc research fellowship at University of Milan – Italy.</b> Agriculture/Environment/Climate interface Anaerobic Digestion: energy production and sewage utilization in agriculture. Reduction of environmental impact related to nitrogen balance

• **EDUCATION**

Nov 2006 - Mar 2010	<b>PhD degree in Agricultural Ecology</b> at University of Milan – <i>Italy</i> Supervisor: Prof. Fabrizio Adani - 'Renewable energy from anaerobic fermentation of crops, organic residues and waste. Lab-scale and full-scale approaches for innovation and improvement'
2006	Laboratory internship at Danmarks Tekniske Universitet – Denmark Supervisor: Prof. R. I. Angelidaki. 'Pilot-scale two-stage biogas plant for bio-hydrogen and bio-methane, to study process imbalance and reestablishment of process stability'
2005 - 2006	<b>Master research project</b> in Environmental Engineering at Danmarks Tekniske Universitet - <i>Denmark</i> . – Supervisor: Prof. Peter Kjijlsen 'Anaerobic dehalogenation of CFC gases in landfill environment – Batch Studies'
2006	National professional licence of Environmental Engineering
2000 - 2006	<b>MSc Degree in Environmental Engineering</b> at Università Degli Studi di Padova - <i>Italy</i> . Points 100/110
2003 - 2004	European Program <b>Socrates-Erasmus</b> – 1-year as student of Environmental engineering at Instituto Superior Técnico, Lisboa, <i>Portugal</i> .

• **PUBLICATION METRICS AND SCIENTIFIC OUTPUT AT A GLANCE**

h-index	33 (Scopus, Oct 2023) 35 (Google Scholar, Oct 2023)
Publications in major international peer-reviewed scientific journals	76
Publications in peer-reviewed conference proceedings, monographs, book chapters	33
Publications in minor/local magazines/journals	15
Patents	3
Total citations (Period: 2008-2018)	1384 (Scopus, Oct 2023) 3268 (Google Scholar, Oct 2023)
Co-authors	189
% of publications co-authored with international researchers	47.5%
% of publications in the top 25% journals by CiteScore	80.4%

## • INTERNATIONAL RESEARCH EXPERIENCES

2018-2019	<b>Collaborative research project with University of Cambridge (UK)</b> Bioelectrochemical Nitrogen Fixation
2017-2023	<b>Collaborative research project with University of Alcalá de Henares (Spain)</b> Treating wastewater while recovering nutrients: electrochemical biofilters coupled to innovative biochar based cylindrical cathodes
2018	<b>Collaborative research project with University of Lisbon (Portugal)</b> Bioelectrochemical nitrogen fixation
Apr – Sep 2012	<b>Collaborative research project at Penn State University (US)</b> Supervision of a PhD student in a project regarding Microbial Electrolysis Cells.
Feb – Jun 2006	<b>Research internship at Danmarks Tekniske Universitet (DTU, DK)</b> Construction of a pilot plant for double stage anaerobic digestion for biohydrogen and biomethane generation from biowaste.

## • SUPERVISION/TUTOR OF GRADUATE STUDENTS, PhD AND POSTDOCTORAL FELLOWS

<b>Post-Docs</b>	2015-2023	1. Dr. Alessandra Colombo; 2. Dr. Stefania Marzorati; 3. Dr. Laura Rago
<b>PhDs</b>	2016-2023	1. Matteo Tucci (University of Milano); 2. Andrea Goglio (University of Milano) 3. Rachele Malesani (University of Padova)
<b>Post-lauream</b>	2015-2023	1. Andrea Goglio; 2. Matteo Tucci; 3. Bruno Rizzi.
<b>MSc</b>	2009 - 2023	1. Maura Dorosini; 2. Claudio Ledda; 3. Samuele Lonati; 4. Alberto Tenca; 5. Francesco Boyer; 6. Giacomo Barlassina; 7. Gao Yong Chang; 8. Matteo Broggi; 9. Federico Korner
<b>BSc</b>	2009 - 2023	1. Annalisa Gozzi; 2. Elena Riva; 3. Enrico Consonni; 4. Filippo Volontè; 5. Luca Bonvegna; 6. Matteo Pirotta; 7. Samuele Lonati; 8. Maura Dorosini; 9. Davide Veronesi; 10. Marta Rebecchi; Giovanni Rusconi Clerici; 11. Vittorio Boneschi; 12. Vittoria Romagnano; 13. Marina Franzoni; 14. Marco Bettanello; 15. Matteo Lucchini; 16. Joishua Corradore

## • TEACHING ACTIVITIES

2018-2019	<b>Full Academic course (40 hours) at Faculty of Agriculture - University of Milan.</b> 'Environmental pollution control in agriculture'
2017-2018	<b>Full Academic course (40 hours) at Faculty of Agriculture - University of Milan.</b> 'Environmental pollution control in agriculture'
2016-2017	<b>Full Academic course (40 hours) at Faculty of Agriculture - University of Milan.</b> 'Environmental pollution control in agriculture'
2015-2016	<b>Full Academic course (40 hours) at Faculty of Agriculture - University of Milan.</b> 'Environmental pollution control in agriculture'

### **Invited lectures:**

Feb 2016	<b>Lecture at Master course, Faculty of Agricultural science - University of Milan - Italy</b> 'Microbial electrochemical technologies: A tool for biotechnical cycles'
Nov 2015	<b>Lecture at School of Environment, Tsinghua University – Beijing, China</b> 'Microbial electrochemical technologies: A tool for bio-technical cycles'
Oct 2015	<b>Lecture at workshop 'Bioelectric Light', World Expo 2015 – Milan, Italy</b> 'Microbial electrochemical technologies: A tool for biotechnical cycles'
Apr 2014	<b>Lecture at Master course, Faculty of Agricultural science - University of Milan - Italy</b> 'Biorefinery of organic waste and agricultural residues'
Mar 2013	<b>Lecture at Master course, Faculty of Agricultural science - University of Milan - Italy</b> 'Biohydrogen and bio-based molecules from organic waste and agricultural residues'
Mar 2012	<b>Lecture at Master course, Faculty of Agricultural science - University of Milan - Italy</b> 'Dark Fermentation and other bioprocessing of residual organic materials'
Feb 2012	<b>Lecture at technical course - Associazione Regionale Allevatori Lombardia (ARAL)</b> 'Anaerobic digestion in the agricultural context'
Jan 2012	<b>Lecture at Master Post-Lauream course - Associazione Milanese Laureati in Scienze Agrarie e Scienze Forestali – Milan, Italy:</b> "Management of biomass and energy production processes"
Jul 2011	<b>Lecture at Pennsylvania State University - USA</b> 'Agro-energy and innovation in the EU'
Mar 2011	<b>Lecture at Master course, Faculty of Agricultural science - University of Milan - Italy</b>

	'Dark fermentation and bio-hydrogen from residual organic matter'	
Mar 2011	<b>Lecture at technical course - ATIA-ISWA Italia, Rome, Italy</b> "Anaerobic Digestion of Urban Organic Waste"	
Oct 2011	<b>Lecture at workshop, Scuola di pratiche sostenibili - Italy</b> "Anaerobic digestion and biogas production at domestic level: towards sustainability and independence."	
2009	<b>Intensive seminar (6 hours) at post-graduate course, University of Potenza - Italy</b> Bioenergy in the agricultural world	

#### • COMMISSIONS OF TRUST

Apr 2023	Invited member of International PhD evaluation committee	University of Alcalà de Henares (Spain)
Nov 2018	Invited member of International PhD evaluation committee	University of Aarhus (Denmark)
Oct 2018	Invited member of International PhD evaluation committee	University of Leon (Spain)
Dec 2016	Invited member of International PhD evaluation committee	University of Alcalà de Henares (Spain)
Sep 2016	Mid-term piloting committee for PhD thesis	IRSTEA –National Research Institute of Science and Technology for Environment and Agriculture, Rennes (France)
June 2016	Invited member of International PhD evaluation committee	University of Alcalà de Henares (Spain)
July 2015	Mid-term piloting committee for PhD thesis	IRSTEA –National Research Institute of Science and Technology for Environment and Agriculture, Rennes (France)

#### • MEMBERSHIP OF SCIENTIFIC SOCIETIES

2017-2018	Member, Associazione italiana biochar (i-Char)
2015-2018	Member, International Society of Microbial Electrochemical Technologies (ISMET)
2015-2018	Member, International Water Association (IWA)
2016	Member of the Royal Society of Chemistry

#### • MAJOR SCIENTIFIC COLLABORATIONS

Name	Faculty/Center/Department	Country	Topic	Outputs
Sanjai J. Parick	University of California-Davis	US	Biochar in Soil Science	Visiting PhD student
Silvia Vignolini Paolo Bombelli	University of Cambridge		Biosensors for herbicides detection	Visiting PhD Student
Bernardino Virdis	University of Queensland	AU	Microbial Electrosynthesis	Visiting MSc Student
Deepak Pant	Flemish Institute of Technology (VITO)	Belgium	Electro-fermentation	4 joint publications on electro-fermentation and other MES
Ricardo Louro	University of Lisbon	Portugal	Microbial electrochemical nitrogen fixation	1 joint publication
Korneel Rabaey	Ghent University	Belgium	Electro-fermentation	1 joint publication on electro-fermentation
Abraham Esteve Nuñez	University of Alcalà de Henares	Spain	Microbial electrochemical water treatment	1 exchange student 1 joint project 2 joint publications
Lucia Cavalca	University of Milan - DeFENS	Italy	Soil microbial ecology	1 joint project (proof of concept for e-BNF); 4 joint publications

Ioannis Ieropoulos	University of West England	UK	Microbial fuel cells	1 joint project on microbial fuel cells
Pierangela Cristiani	RSE Spa	Italy	Microbial fuel cells	1 joint laboratory on microbial electrochemistry 5 joint applications for funding 10 joint publications
Xia Huang	Tsinghua University	China	Microbial electrochemical sensors	1 common application for funding
Bruce E Logan	Penn State University	US	Microbial electrolysis cells	1 PhD student exchange
Jillian Goldfarb	Boston University	US	Biomass pyrolysis	1 common project, 2 joint publications
Blake Simmons	JBEY - Berkeley	US	Biomass deconstruction	1 joint publication
Renjie Dong	China Agriculture University	China	Anaerobic digestion	1 MSc visiting student here in Milan for 6 months. 1 joint publication

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## Scientific activity and grants

### • GRANTS AND RESEARCH PROJECTS AS PRINCIPAL INVESTIGATOR

<i>Project Title</i>	<i>Funding source, Call IDs</i>	<i>Amount (Euros)</i>	<i>Period</i>	<i>Role</i>	<i>Brief description</i>
e-Newtrients "Recycling Nutrients for future sustainable food production"	Vida - European project (2018-2021) funded by the H2020 - INNOSUP Call	60,000	2019-2020	PI	This project aims at the application of the e-BioPond technology at a pilot scale and applies the concept to hydroponic farming
e-BioPond – added value products from microalgae in a circular economy approach	TT-agrilab voucher by Camera di Commercio Milano	60,000	2019	PI	This project aims at the recovery of added-value products from microalgae, such as high-value pigments and plant biostimulants
"CasciNet & Cascina Sant'Ambrogio. Reinvenzione contemporanea di un monastero del 1100"	Cariplo Foundation, Call: 'Beni Aperti'	499,793	2019 - 2022	Research unit member	This project is aimed at the restoration and regeneration of Cascina S. Ambrogio, a medieval (1100 AC) rural settlement in the rural area of the Parco Forlanini, Milan metropolitan area, Italy.
e-BioPond - A new way to reuse nutrients from wastewater, to produce high quality microalgae biomass and derived products.	Neptune Consortium – Blue growth accelerator - Voucher for SMEs - H2020 INNOSUP-1-2015 Cluster	60,000	2018	PI	The e-BioPond uses bioelectrochemical systems to recover nutrients and oxidize organic carbon from byproducts of food industry to produce high-quality microalgae
Misura Rafforzamento ERC – e-BioFixN - 'Powering' biological nitrogen fixation. Microbial electrocatalysis as a step beyond the Haber-Bosch process	Cariplo Foundation	75,000	2019-2021	PI	This project is aimed at supporting the re-submission of project proposal on the call ERC-Consolidator
Extraction of Phycocyanin from Spirulina Biomass	Algaria srl	10,000	2018-2019	PI	The project aims at developing a an applicable strategy to extract the pigment phycocyanin from commercial Spirulina biomass
Transition Grant for ERC	University of Milan	80,000	2017-2019	PI	This project is aimed at developing a proof-of-concept experiment on microbial electrochemical nitrogen fixation, to present a more complete project on the next call of the ERC-Consolidator grant.
BiofuelcellAPP – Microbial fuel cells applications for	Italian Ministry of University and	523,000	2015-2018	PI	This project is about microbial electrochemical

nutrient recovery from agro-industrial wastewater	Research (MIUR) (Scientific Independence of young researchers SIR 2014 Grant)				systems applied on wastewater treatment, nutrient recovery from agro-food sector and other environmental applications. It aims at developing new materials for largely-scalable bioelectrodes, for environmental applications.
Small-sized low-tech biogas plants from household solid waste and wastewater: decentralized waste treatment, sanitation and bio-fuel recovery.	PS76.org, Scuola di Pratiche Sostenibili, University of Milan	20,000	2010-2013	PI	Direct experience as PI of a small project dealing with pilot-scale prototyping. Experience in project management
Start-up phase of SBR-reactors for Shell Qatar_v4 wastewater treatment using different microbial seeding	Veolia water international Spa	30,000	2010	PI	Experience as PI. Project management. Microbiological water processing systems.
Evaluation of different carbon sources for the denitrification of urban and industrial wastewaters	Veolia water international Spa	25,000	2010	PI	Experience as PI. Project management. Microbiological water processing systems.

Biorefill – BIO-REFinery Integrated Lombardy Labs	Cariplo Foundation, Lombardy Region – Agriculture department	500,000	2014	Research unit member	This project contributed to unify different laboratories in a multidisciplinary collaboration. It was a fundamental for my proposal at ERC-Stg.
A full scale plant for bio-hydrogen and bio-methane production from agricultural waste.	‘ENAMA’ of Italian Ministry of Agriculture and Forestry (MIPAAF).	300,000	2013	Research unit member	Strict contact with agricultural full-scale facilities for biomass and nutrient recycling.
N-Free® technology for animal manure filtration and nutrient recovery.	Regione Lombardia, Doti di Ricerca	50,000	2012	Research unit member	Experience in nitrogen recovery from intensive farming wastewater
Bio.GesTe.Ca. – Environmental sustainability of agricultural systems.	Lombardy Region – Agriculture department	1,200,000	2011-2014	Research unit member	Wide research project on sustainable agricultural practices.
Feasibility Study for the extraction of polyphenols from olive oil solid waste (Pomace) through supercritical fluid extractions.	Veolia water group, Gruppo Ricicla-DiSAA	60,000	2011-2012	Research unit member	Experience in the agro-industrial sector
SInBioN – Systems Integration for Biogas production and Nitrogen recovery	Italian Ministry of Agriculture and Forestry (MIPAAF).	300,000	2011-2014	Research unit member	Experience dealing with nitrogen recovery in intensive farming systems

AgrIdEn - Bio-hydrogen production from agro-industrial residues and organic waste, feasibility of the full-scale biogas plants conversion to combined hydrogen and methane production.	Lombardy Region – Agriculture department	300,000	2008-2010	Research unit member	Microbiological waste processing systems.
BioBi: Biomasses for biogas. Feasibility of energy crops, agro-industrial residues and organic waste as substrates in full-scale biogas plants.	Lombardy Region – Agriculture department	300,000	2008-2010	Research unit member	Microbiological waste processing systems.
M.A.G.I.C.S. - MAXimize bioGas Income by Co-digestion and microbe Selection.	Italian Ministry for Foreign Affairs, Italy-Israel R&D Cooperation Program	100,000	2007-2008	Research unit member	Microbiological waste processing systems. International cooperation.

## Early achievements track-record

### • ACTIVITY AS INVITED EDITOR/EDITORIAL BOARD MEMBER FOR SCIENTIFIC JOURNALS

Journals	Publisher	Issues
Bioresource Technology Reports	Elsevier	Member of Editorial Board
Bioenergy and Biofuels Frontiers in Energy Research, Chemistry, Bioengineering and Biotechnology	Frontiers in	Editor of Research Topic 'Microbial Synthesis, Gas-Fermentation and Bioelectroconversion of CO <sub>2</sub> and other Gaseous Streams'
International Journal of Molecular Science	MDPI	Editor of Special Issue 'Bioelectrochemical Systems' <a href="https://www.mdpi.com/journal/ijms/special_issues/bioelectrochem_systems">https://www.mdpi.com/journal/ijms/special_issues/bioelectrochem_systems</a>

### • ACTIVITY AS INVITED REVIEWER FOR SCIENTIFIC JOURNALS

Publisher	Journals	Latest IF	Number of reviews 2014-2023
BioMed Central	Biotechnology for Biofuels	6.4	1
Elsevier	Energy Environmental Science	33	5
	Journal of Cleaner Production	4.9	7
	Water Research	5.9	3
	Applied Energy	5.7	2
	International Journal of Hydrogen Energy	3.2	5
	Ecological Engineering		1
	Bioelectrochemistry		2
	Journal of CO <sub>2</sub> Utilization	4.7	1
	Bioresource Technology	4.8	5
	Environmental Technology and Innovation		1
	Science Of the Total Environment		2
	Journal of Environmental Chemical Engineering		1
	Chemosphere		2
	Resources conservation and recycling		1
	Renewable energy	2.8	2
	Waste Management	3.8	19
	Geoderma		1
	Bioresource Technology Reports		2
Springer	Environmental Science and Pollution Research	2.8	1
	Bioenergy Research	3.3	1



-	Biofuel Research Journal	-	1
Taylor & Francis	Environmental Technology	1.6	2
Widener University School of Engineering	Journal of Solid Waste Technology Management	0.9	2
Science Domain International	British Journal of Applied Science & Technology	0.8	1

## PUBLICATIONS

### • PATENTS

2020	<b>Brevetto italiano per invenzione industriale N. 102018000010683</b> Sistema integrato di processi bioelettrochimici e fotobioreattori per la coltivazione di microrganismi fotosintetizzatori con il recupero di carbonio e nutrienti da fonti organiche o da acque reflue. CLASSIFICA: C02F3; DATA DEPOSITO: 29/11/2018 Andrea schievano, Alessandra Colombo, Andrea Goglio, Matteo Tucci
2019	Submission Number: 060329 Application Number: PCT/IB2019/060329 Date of Receipt: 29 November 2019. Title: Integrated system of bio-electrochemical processes and photobioreactors for the cultivation of organisms photosynthesizers with carbon recovery and nutrients from organic or wastewater sources
2017	Titolo: MATERIALE ELETTRICO-CONDUTTIVO DI ORIGINE VEGETALE. Brevetto numero 102017000110538 del 03/10/2017. Andrea Schievano, Stefania Marzorati, Pierangela Cristiani, Andrea Goglio, Alessandra Colombo, Laura Rago

### • PUBLICATIONS IN INTERNATIONAL PEER-REVIEWED SCIENTIFIC JOURNALS

date	* = corresponding author
2023	<p><b>Environ Evid 12, 16.</b> <a href="https://doi.org/10.1186/s13750-023-00309-y">https://doi.org/10.1186/s13750-023-00309-y</a> Makowski, D., Catarino, R., Chen, M., Bosco, S., Montero-Castaño, A., Pérez-Soba, M., Schievano, A., Tamburini, G., 2023. Synthesising results of meta-analyses to inform policy: a comparison of fast-track methods.</p> <p><b>Environ. Res. Lett. 18, 043005.</b> <a href="https://doi.org/10.1088/1748-9326/acb833">https://doi.org/10.1088/1748-9326/acb833</a> Chen, M., Schievano, A., Bosco, S., Montero-Castaño, A., Tamburini, G., Pérez-Soba, M., Makowski, D., 2023. Evidence map of the benefits of enhanced-efficiency fertilisers for the environment, nutrient use efficiency, soil fertility, and crop production.</p> <p><b>Sustainability, 15, 11020, 2023</b> Dal Borgo, Alice Giulia; Chiaffarelli, Gemma; Capocéfalo, Valentina; Schievano, Andrea; Bocchi, Stefano; Vagge, Ilda. Agroforestry as a Driver for the Provisioning of Peri-Urban Socio-Ecological Functions: A Trans-Disciplinary Approach</p> <p><b>Journal of Applied Phycology, 1-10, 2023</b> Kurpan, Daniel; Idà, Antonio; Körner, Federico; Lauceri, Rosaria; Rocculi, Pietro; Phillips, Richard; Schievano, Andrea Pilot-scale concentration and partial purification of food-grade phycocyanin from <i>Arthrospira platensis</i> via cross flow filtration: From biomass to final product</p>
2022	<p><b>Detritus, 19, 37, 2022</b> Malesani, Rachele; Schievano, Andrea; Di Maria, Francesco; Sisani, Federico; Pivato, Alberto Compost Heat Recovery Systems: Global Warming Potential impact estimation and comparison through a Life Cycle Assessment approach</p> <p><b>Journal of Environmental Chemical Engineering 10, 107453.</b> <a href="https://doi.org/10.1016/j.jece.2022.107453">https://doi.org/10.1016/j.jece.2022.107453</a> Goglio, A., Marzorati, S., Zecchin, S., Quarto, S., Falletta, E., Bombelli, P., Cavalca, L., Beggio, G., Trasatti, S., Schievano, A*, 2022. Plant nutrients recovery from agro-food wastewaters using microbial electrochemical technologies based on porous biocompatible materials.</p> <p><b>Waste Manag Res 40, 596–606.</b> <a href="https://doi.org/10.1177/0734242X20983895">https://doi.org/10.1177/0734242X20983895</a> Pivato, A., Raga, R., Marzorati, S., Cerminara, G., Lavagnolo, M., Schievano, A., 2022. Mitigating long-term emissions of landfill aftercare: Preliminary results from experiments combining microbial electrochemical technologies and in situ aeration.</p> <p><b>Detritus, 19, V-XII, 2022</b> Pivato, Alberto; Beggio, Giovanni; Bonato, Tiziano; Butti, Luciano; Cavani, Luciano; Ciavatta, Claudio; Di Maria, Francesco; Ferrara, Rosario; Grenni, Paola; Johansson, Oskar; ,The Role Of The Precautionary Principle In The Agricultural Reuse Of Sewage Sludge From Urban Wastewater Treatment Plants</p> <p><b>Bioresource Technology Reports, 2022, 18, 101097</b> Earthenware-based biofilter for <i>Spirulina</i> cultivation on recycled nutrients from food-industry waste streams Francesca Giroto, Andrea Schievano*, Antonino Idà, Giovanni Rusconi Clerici, Giacomo Sala, Andrea Goglio, Daniel Kurpan, Paolo Bombelli, Ivan Toschi, Stefano Bocchi, Laura Piazza</p>
2021	<p><b>Chemical Engineering Journal 419, 130008.</b> <a href="https://doi.org/10.1016/J.CEJ.2021.130008">https://doi.org/10.1016/J.CEJ.2021.130008</a> Tucci, M., Cruz Vigg, C., Esteve Núñez, A., Schievano, A., Rabaey, K., Aulenta, F., 2021. Empowering electroactive microorganisms for soil remediation: Challenges in the bioelectrochemical removal of petroleum hydrocarbons.</p>

**Environmental Challenges** 4, 100131. <https://doi.org/10.1016/j.envc.2021.100131>

Malesani, R., Pivato, A., Bocchi, S., Lavagnolo, M.C., Muraro, S., Schievano, A., 2021a. Compost Heat Recovery Systems: An alternative to produce renewable heat and promoting ecosystem services.

**Detritus / Volume 14 - 2021 / pages IV-VIII** <https://doi.org/10.31025/2611-4135/2021.14081>

Malesani, R., Schievano, A., Bocchi, S., Pivato, A., 2021b. Compost heat recovery systems—a tool to promote renewable energy and agro-ecological practices.

**Journal of Environmental Science and Health, Part A** 56, 1409–1419.

<https://doi.org/10.1080/10934529.2021.2002628>

Beggio, G., Bonato, T., Schievano, A., Garbo, F., Ciavatta, C., Pivato, A., 2021. Agricultural application of digestates derived from agricultural and municipal organic wastes: a health risk-assessment for heavy metals.

**Frontiers in Energy Research** doi: 10.3389/fenrg.2020.581106

Biochar-Terracotta Conductive Composites: New Design for Bioelectrochemical Systems

Pierangela Cristiani\*, Andrea Goglio, Stefania Marzorati, Stephanie Fest-Santini and Andrea Schievano

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2020

**Advanced Energy Materials** 10, 2001189. <https://doi.org/10.1002/aenm.202001189>

Thompson, E.P., Bombelli, E.L., Shubham, S., Watson, H., Everard, A., D'Ardes, V., Schievano, A., Bocchi, S., Zand, N., Howe, C.J., Bombelli, P., 2020. Tinted Semi-Transparent Solar Panels Allow Concurrent Production of Crops and Electricity on the Same Cropland.

**Journal of Environmental Management** 267, 110633. <https://doi.org/10.1016/j.jenvman.2020.110633>

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Carotenoids, chlorophylls and phycocyanin from *Spirulina*: supercritical CO<sub>2</sub> and water extraction methods for added value products cascade

Stefania Marzorati, Andrea Schievano, Antonio Idà and Luisella Verotta

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2019

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Editorial: Microbial Synthesis, Gas-Fermentation and Bioelectroconversion of CO<sub>2</sub> and Other Gaseous Streams  
Andrea Schievano, Deepak Pant and Sebastià Puig

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Preface - Microbial electrochemical technologies

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A Storable Mediatorless Electrochemical Biosensor for Herbicide Detection

Matteo Tucci, Paolo Bombelli\*, Christopher J. Howe, Silvia Vignolini, Stefano Bocchi, Andrea Schievano

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Electroactive biochar (e-biochar) for large-scale applications of microbial electrochemistry

Andrea Schievano\*, Raul Berenguer, Stefania Marzorati, Laura Rago, Stefano Bocchi, Ricardo O. Louro, Catarina M. Paquete, Abraham Esteve-Núñez

**Waste Management** 87 (2019) 546-558

Statistical analysis for the quality assessment of digestates from separately collected organic fraction of municipal solid waste (OFMSW) and agro-industrial feedstock. Should input feedstock to anaerobic digestion determine the legal status of digestate?

Giovanni Beggio, Andrea Schievano, Tiziano Bonato, Pierre Hennebert and Alberto Pivato\*

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Study of microbial dynamics during optimization of hydrogen production from food waste by using LCFA-rich agent Razieh Rafieenia, Alberto Pivato\*, Stefano Campanaro, Laura Treu, Andrea Schievano, Maria Cristina Lavagnolo

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Matteo Tucci, Matteo Grattieri, Andrea Schievano, Pierangela Cristiani, Shelley D.Minteer

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Microbial recycling cells: first steps into a new type of microbial electrochemical technologies, aimed at recovering nutrients from wastewater

Andrea Goglio, Stefania Marzorati, Laura Rago, Deepak Pant, Pierangela Cristiani, [Andrea Schievano](#)\*

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Suppressing methanogens and enriching electrogens in bioelectrochemical systems

Deepak Jadhav, Ashvini Chendake, [Andrea Schievano](#), Deepak Pant

**Science of the Total Environment 649 (2019) 1349–1361**

Microbial recycling cells (MRCs): a new platform of microbial electrochemical technologies based on biocompatible materials, aimed at cycling carbon and nutrients in agro-food systems

Andrea Goglio, Matteo Tucci, Bruno Rizzi, Alessandra Colombo, Pierangela Cristiani, [Andrea Schievano](#)\*

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Laura Rago, Sarah Zecchin, Federica Villa, Anna Corsini, Andrea Goglio, Lucia Cavalca, [Andrea Schievano](#)\*

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S. Marzorati, A. Goglio, S. Fest-Santini, D. Mombelli, F. Villa, P. Cristiani, [A. Schievano](#)\*

2018

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Razieh Rafieenia, Alberto Pivato\*, [Andrea Schievano](#), Maria Cristina Lavagnolo

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Organic waste and bioelectrochemical systems: a future interface between electricity and methane distribution grids.

[Andrea Schievano](#)\*, Andrea Goglio, Christof Erckert, Stefania Marzorati, Laura rago, Pierangela Cristiani.

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**Journal of Food Engineering 224 (2018) 139e147**

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A study of microbial communities on terracotta separator and on biocathode of air breathing microbial fuel cells

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2017

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Alessandra Colombo, [Andrea Schievano](#), Stefano P. Trasatti, Raffaele Morrone, Nicola D'Antona, Pierangela Cristiani\*

**Journal of Power Sources 340 (2017), 80–88**

Floating microbial fuel cells as energy harvesters for signal transmission from natural water bodies

[Andrea Schievano](#), Alessandra Colombo, Matteo Grattieri, Stefano P. Trasatti, A. Liberale, Paolo Tremolada, Claudio Pino, Pierangela Cristiani\*

2016

**Waste Management 56 (2016) 519–529**

Dark fermentation, anaerobic digestion and microbial fuel cells: an integrated system to valorize swine manure and rice bran

[Andrea Schievano](#), Gao Chang Chang, Tommy Pepè Sciarria, Silvia Salati, Barbara Scaglia, Marina Zanardo, Wei

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J.N. Mungwe, E. Colombo, F. Adani, A. Schievano\*

**Journal of Cleaner Production, 112 (2016) 103-112**

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**International Journal of Energy Research, 2015; 39:1519–1527**

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Ester Manzini, Barbara Scaglia, Andrea Schievano\* and Fabrizio Adani

**Green Chemistry, 2015, 17, 2874**

An integrated biorefinery concept for olive mill waste management: supercritical CO<sub>2</sub> extraction and energy recovery

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**Bioresource Technology 183 (2015) 101–110**

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Andrea Schievano\*, Giuliana D'Imporzano, Valentina Orzi, Giorgio Colombo, Tommaso Maggiore, Fabrizio Adani\*

**Environment Development and Sustainability 2015, 17 (5), 1227–1241**

Domestic low-tech anaerobic digesters in Guine´-Bissau: a bench-scale preliminary study on locally available waste and wastewater.

Andrea Gallia, Davide Veronesi, Umamo Spencer Embalò, Filippo Pongiglione, Fabrizio Adani, Andrea Schievano\*

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Andrea Schievano\*, Alberto Tenca, Samuele Lonati, Ester Manzini, Fabrizio Adani

**Biogeochemistry 2014, 117, 2-3, 313-324**

Nanoscale structure of organic matter could explain litter decomposition

Gabriella Papa, Barbara Scaglia, Andrea Schievano, Fabrizio Adani\*

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2013

**Water Research 2013, 47, 6157-6166**

Nitrogen and water recovery from animal slurries by a new integrated ultrafiltration, reverse osmosis and cold stripping process: A case study

C. Ledda, A. Schievano\*, S. Salati, F. Adani\*

**Water Research 2013, 47 (6), 1983-1995**

Microbial community structure and dynamics in two-1 stage vs single-stage 2 thermophilic anaerobic digestion of mixed swine slurry and market bio-waste

Giuseppe Merlino, Aurora Rizzi, Andrea Schievano, Alberto Tenca, Barbara Scaglia, Roberto Oberti, Fabrizio Adani, Daniele Daffonchio\*

**International Journal of Hydrogen Energy 2013, 38 (4), 1859–1865**

Evaluation of low cost cathode materials for treatment of industrial and food processing wastewater using microbial electrolysis cells

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2012	<p><b>Environmental Science Technology 2012, 46, 8502-8510</b> Two-Stage vs Single-Stage Thermophilic Anaerobic Digestion: Comparison of Energy Production and Biodegradation Efficiencies <u>Andrea Schievano</u>*, Alberto Tenca, Barbara Scaglia, Giuseppe Merlino, Aurora Rizzi, Daniele Daffonchio, Roberto Oberti, and Fabrizio Adani*</p>
2011	<p><b>Biocycle, October 2011</b> Sustainable management of nitrogen and nutrients Adani, F.*, D'Imporzano, G., <u>Schievano, A.</u>, Boccasile, G., Sommariva, F., Deias, A.</p> <p><b>Bioresource Technology 2011, 102, 8814-8819</b> On-field study of anaerobic digestion full-scale plants (Part II): new approaches in monitoring and evaluating process efficiency <u>Andrea Schievano</u>*, Giuliana D'Imporzano, Valentina Orzi, Fabrizio Adani*</p> <p><b>Bioresource Technology 2011, 102, 7737-7744</b> On-field study of anaerobic digestion full-scale plants (Part I): an on-field methodology to determine mass, carbon and nutrients balance <u>Andrea Schievano</u>*, Giuliana D'Imporzano, Silvia Salati, Fabrizio Adani*</p> <p><b>Bioresource Technology 2011, 102, 7910-7916</b> Looking for practical tools to achieve next-future applicability of dark fermentation to produce bio-hydrogen from organic materials in Continuously Stirred Tank Reactors Tenca A., <u>Schievano A.</u>, Lonati, S., Malagutti L, Oberti R, Adani F*</p> <p><b>Bioresource Technology 2011, 102, 8582-8588</b> Biohydrogen from thermophilic co-fermentation of swine manure with fruit and vegetable waste: Maximizing stable production without pH control Tenca, <u>A. Schievano</u>, F. Perazzolo, F. Adani, and R. Oberti*</p> <p><b>Environmental Science Technology 2011, 45, 1107-1113</b> Nanoscale Structure of the Cell Wall Protecting Cellulose from Enzyme Attack Fabrizio Adani*, Gabriella Papa, <u>Andrea Schievano</u>, Giovanni Cardinale, Giuliana D'Imporzano and Fulvia Tambone</p>
2010	<p><b>Chemosphere 2010, 81, 577-583</b> Assessing amendment and fertilizing properties of digestates from anaerobic digestion through a comparative study with digested sludge and compost Fulvia Tambone, Barbara Scaglia, Giuliana D'Imporzano, <u>Andrea Schievano</u>, Valentina Orzi, Silvia Salati, Fabrizio Adani*</p> <p><b>Bioresource Technology 2010, 101, 1873-2976</b> Evaluating inhibition conditions in high-solids anaerobic digestion of organic fraction of municipal solid waste <u>Andrea Schievano</u>, Giuliana D'Imporzano, Luca Malagutti, Emilio Fragali, Gabriella Ruboni, Fabrizio Adani*</p>
2009	<p><b>Bioresource Technology 2009, 100, 5777-5782</b> Prediction of biogas potentials using quick laboratory analyses: upgrading previous models for application to heterogeneous organic matrices <u>Andrea Schievano</u>, Barbara Scaglia, Giuliana D'Imporzano, Luca Malagutti, Annalisa Gozzi, Fabrizio Adani*</p> <p><b>Journal of Environmental Management 2009, 90, 2537-2541</b> Substituting energy crops with organic wastes and agro-industrial residues for biogas production <u>A. Schievano</u>*, G. D'Imporzano, F. Adani*</p>
2008	<p><b>Bioresource Technology 2008, 99, 8112-8117</b> Predicting anaerobic biogasification potential of ingestates and digestates of a full scale biogas plant by using chemical and biological parameters <u>A. Schievano</u>, M. Pognani, G. D'Imporzano, F. Adani*</p>

• **EDITOR OF RESEARCH MONOGRAPHS /AUTHOR OF BOOK CHAPTERS (\*=CORRESPONDING AUTHOR)**

Berenguer, R., Marzorati, S., Rago, L., Cristiani, P., Pivato, A., Nuñez, A.E., Schievano, A., 2020. Electroactive Biochar: Sustainable and Scalable Environmental Applications of Microbial Electrochemical Technologies, in: Microbial Electrochemical Technologies. CRC Press, pp. 360-382.

2019	<b>e-Book editor</b> <b>Frontiers in Energy Research and Frontiers in Chemistry</b> Microbial Synthesis, Gas-Fermentation and Bioelectroconversion of CO <sub>2</sub> and Other Gaseous Streams <u>Andrea Schievano</u> , Deepak Pant and Sebastià Puig
2016	<b>Author of book chapter</b> Shantonu Roy, Stefania Marzorati, <u>Andrea Schievano</u> , Deepak Pant*. 'Microbial fuel cells'. Pages 245-259 In: Reference module in Earth Systems and Environmental Science – Elsevier 2017. Editors: Scott A. Elias, Martin Abraham. Doi: 10.1016/B978-0-12-409548-9.10122-8
2012	<b>Author of book chapter</b> Le Agroenergie nei nuovi scenari energetici - ISBN:9788890955402 <u>A. Schievano</u> , G. D'Imporzano, F. Adani. La sostenibilità agricola e ambientale.
2011	<b>Author of book chapter</b> Biomasse ed Energia - ISBN:978-88-387-6527-8 <u>A. Schievano</u> , C. Ledda, G. D'Imporzano, F. Adani*. Nuovi approcci per il monitoraggio e l'ottimizzazione degli impianti di biogas.
2009	<b>Book Editor</b> Anaerobic digestion, opportunities for agriculture and environment. ISBN: 978-88-903746-0-9 Edited by Fabrizio Adani, <u>Andrea Schievano</u> , Gabriele Boccasile. Lombardy Region Press.

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• **TALKS, PUBLICATIONS AND SESSION CHAIRMAN AT INTERNATIONAL CONFERENCES (\*=CORRESPONDING AUTHOR)**

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2022	<b>EURAF 2022: Book of Abstracts, 410-411,2022</b> , Fondazione Centro Euro-Mediterraneo sui Cambiamenti Climatici Bocchi, S; Capocefalo, V; Chiaffarelli, G; Dal Borgo, AG; Schievano, A; Vagge, I; Regenerative landscapes and communities: assessing socioecological functions of an agroforestry peri-urban system
2021	Makowski, D., Bosco, S., Chen, M., Montero-Castaño, A., Pérez-Soba, M., Schievano, A., Terres, J.-M., 2021. Systematic review of meta-analyses to assess the impacts of farming practices - A methodological framework. Preprints of Papers. <a href="https://doi.org/10.31219/OSF.IO/BYUW9">https://doi.org/10.31219/OSF.IO/BYUW9</a>
2020	Berenguer, R., Marzorati, S., Rago, L., Cristiani, P., Pivato, A., Nuñez, A.E., Schievano, A., 2020. Electroactive Biochar: Sustainable and Scalable Environmental Applications of Microbial Electrochemical Technologies, in: Microbial Electrochemical Technologies. CRC Press, pp. 360–382.
2019	<b>The 8th European Fuel Cell Technology &amp; Applications Piero Lunghi Conference, Naples – Italy 2019</b> Terracotta and biochar-derived electrodes for bioelectrochemical systems Pierangela Cristiani, Stefania Marzorati, Andrea Goglio, Maksim Bahdanchyk, Stefano Trasatti, Andrea Schievano
2018	<b>Biorestech conference 2018 – International conference on bioresource technology, bioenergy and environmental sustainability</b> <ul style="list-style-type: none"> <li>- Microbial recycling cells (MRCs): a new platform of microbial electrochemical technologies based on biocompatible materials, aimed at cycling carbon and nutrients in agro-food systems. <u>Andrea Schievano*</u>, Andrea Goglio, Stefania Marzorati, Matteo Tucci, Bruno Rizzi, Pierangela Cristiani</li> </ul> <b>EU-ISMET 2018 – International Society of Microbial Electrochemical Technology (ISMET) - The 4<sup>th</sup> European Meeting 2018</b> <ul style="list-style-type: none"> <li>- Bioelectrochemical nitrogen fixation (e-BNF) towards the electrosynthesis of biomass. <u>Andrea Schievano*</u>, Laura Rago, Andrea Goglio, Bruno Rizzi, Stefania Marzorati, Sarah Zecchin, Lucia Cavalca</li> <li>- Amperometric herbicide biosensor based on photocurrent inhibition of <i>Anabaena variabilis</i>. Matteo Tucci, Matteo Grattieri, Shelley Minter, <u>Andrea Schievano</u>, Pierangela Cristiani*</li> <li>- Microbial recycling cells (MRCs): Coupling novel air cathodes and electrochemical biofilters for nutrients recovery from food-industry wastewater. Andrea Goglio, Stefania Marzorati, Amanda Prado de Nicolás, Carlos Manchón Vállegas, Cristina Ortiz Martín, Colin Wardman, Abraham Esteve Núñez, <u>Andrea Schievano*</u></li> <li>- Biochar: Electroactive Biocharcoal-based Electrodes for Bioelectrochemical Systems. S. Marzorati, A. Goglio, M. Bahdanchyk, , S. Trasatti, P. Cristiani, <u>A. Schievano*</u></li> </ul> <b>SUM 2018 – 4<sup>th</sup> Symposium on Urban Mining and Circular Economy</b> <ul style="list-style-type: none"> <li>- MICROBIOENERGY® – Bioenergy from biomass and distributed resources for sustainable housing. Mara Zantedeschi, Andrea Brugnoli, Claudio Marabiso, Simone Muraro, <u>Andrea Schievano*</u></li> <li>- Nutrients recovery from digestate liquid fraction. <u>Andrea Schievano*</u></li> </ul>

**Carbon conference 2018 – Madrid, Spain**

- Biomass-derived electrodes for bioelectrochemical systems. S. Marzorati, M. Bahdanchyk, A. Goglio, S. Trasatti, P. Cristiani, [A. Schievano](#)\*

**Agriobioestimulants Conference - 13-14 June 2018, Milan, Italy**

- e-NEWtrients: Microbial electrochemical technologies help in recovering nutrients from wastewater and obtaining renewable soil conditioners and fertilizers. [Andrea Schievano](#)\*

**YAS 2018 – Young algaeeneers symposium**

- Combining microalgae and electroactive microbial communities for nutrients recovery from wastewater: an approach for scale-up. B. Rizzi, A. Colombo, G. Rusconi Clerici, A. Idà, [A. Schievano](#)\*

2017

**European Fuel Cell Technology & Applications Conference - Piero Lunghi Conference. December 12-15, 2017, Naples, Italy**

- The challenge of nutrients recovery by terracotta Microbial Fuel Cells. Goglio, S. Marzorati, S. Quarto, E. Falletta, P. Cristiani, [A. Schievano](#)\*
- Giant cane as low-cost material for microbial fuel cells architectures. S. Marzorati, A. Goglio, D. Mombelli, C. Mapelli, S.P. Trasatti, P. Cristiani, [A. Schievano](#)\*
- New terracotta-based microbial fuel cells treat wastewater while providing nutrients for microalgae cultivation. A. Colombo, G. Rusconi Clerici, A. Idà, M. Rebecchi, and [A. Schievano](#)\*
- Floating MFC for BOD monitoring in real time: field tests in a wastewater treatment plant. M. Tucci, A. Goglio, [A. Schievano](#), and P. Cristiani\*

**Sardinia Symposium 2017 – S.Margherita di Pula (Ca, Italy)**

- Chairman of session: WORKSHOP: INNOVATIVE APPLICATIONS OF MFC TECHNOLOGIES TO WASTE MANAGEMENT.
- Introductory lecture: [A. Schievano](#)\*, A. Goglio, C. Erckert, S. Marzorati (IT) / Organic waste and bioelectrochemical systems: the future interface between electricity and methane grids
- The “La la land” project: lithotrophic microbial activity and aeration applications to landfills for a landscape requalification. A. Pivato\*, R. Raga, S. Marzorati, M.C. Lavagnolo, G. Cerminara, E. Romio, G. Agostini, F. Peres, [A. Schievano](#)
- WORKSHOP: TESTING BIOLOGICAL STABILITY OF BIODEGRADABLE WASTE. Application of microbial fuel cells (MFCS) as biosensors for BOD concentrations in waste eluates. [A. Schievano](#)\*

**International Society of Microbial Electrochemical Technology (ISMET) - The 6th International Meeting (2017)**

- Treating wastewater while recovering nutrients: electrochemical biofilters coupled to innovative biochar-based cylindrical cathodes. Andrea Goglio, Stefania Marzorati, Amanda Prado de Nicolás, Colin Wardman, Laura Rago, Abraham Esteve Núñez, [Andrea Schievano](#)\*
- A new applicative frontier for microbial fuel cells: bioelectrochemical fertilizers. [Andrea Schievano](#)\*, Andrea Goglio, Stefania Marzorati, Alessandra Colombo, Laura Rago
- Integrating microbial electrochemical systems in microalgae ponds for organic-rich wastewater treatment. Alessandra Colombo, Giovanni Rusconi Clerici, Marta Rebecchi, Stefano Lanzoni, Antonino Idà, [Andrea Schievano](#)\*
- Wastewater treatment plant field application of a real time MFC-based BOD sensor. Matteo Tucci, Andrea Goglio, [Andrea Schievano](#), Pierangela Cristiani\*
- Ligno-cellulosic Materials as Low-cost Microbial Fuel Cells Architectures for Nutrients Recovery. Stefania Marzorati, Andrea Goglio, Laura Rago, Pierangela Cristiani, [Andrea Schievano](#)\*

2016

**International Society of Microbial Electrochemical Technology (ISMET) - The 3rd European Meeting 2016**

- Electrochemical stimulation of *Thermotoga Neapolitana* cultures. P. Cristiani\*, [A. Schievano](#), M. Tucci, G. D'Ippolito, L. Dipasquale, A. Fontana
- Anodic biofilm microbial communities grown in different microbial electrochemical cells: comparison of metagenomics analysis. L. Rago, [A. Schievano](#), J. A. Baeza, A. Guisasola\*
- New floating MFCs for Energy harvesting. A cell design overview. D. Perrino, S. Trasatti, [A. Schievano](#), P. Cristiani\*

**European Materials Research Society (E-MRS) - 2016 Fall meeting**

- Quantitative study of carbonates deposition in biocathodes by 3-D X-ray microcomputed tomography. S. Marzorati, M. Lorenzi, S. Fest-Santini, M. Santini, S. P. Trasatti, [A. Schievano](#), P. Cristiani\*

**Venice Symposium 2016, 6th International Symposium on Energy from Biomass and Waste**

- A novel microbial electrochemical sensor for on-line monitoring anaerobic biodegradation processes. [A. Schievano](#)\*, A. Colombo, V. d'Ardes, S. Trasatti, P. Cristiani

**LET 2016; 13<sup>th</sup> conference of on water and wastewater technologies - International Water association (IWA)**

- Experiences of floating microbial fuel cells, supplying on-line sensors for water quality. [A. Schievano](#)\*, F. Pizzà, C. Pino, D. Perrino, A. Colombo, P. Cristiani



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2012	<b>Orbit 2012 – Rennes (France).</b> <ul style="list-style-type: none"> <li>- Can two-stage anaerobic digestion improve energy recovery from biomass? E. Manzini, <u>A. Schievano</u>, S. Lonati and F. Adani*</li> </ul> <b>SIDISA 2012 – 11th edition of Italian-Brazilian Symposium of Sanitary and Environmental Engineering</b> <ul style="list-style-type: none"> <li>- From composting to Anaerobic Digestion. F Adani*, L Terruzzi, G D'Imporzano, A Schievano, C Ledda, S Salati, V Orzi, F Tambone</li> </ul>
2009	<b>Ecomondo 2009 – Rimini (Italy)</b> <ul style="list-style-type: none"> <li>- Preventing inhibition in high-solids anaerobic digestion of organic fraction of municipal solid waste. G D'Imporzano, A Schievano, F Adani*</li> <li>- Bio-hydrogen production from bio-waste: ready for full-scale applications? A Schievano, E Consonni, A Tenca, R Oberti, F Adani*</li> </ul> <b>HYPOTHESIS VIII Lisbon (Portugal) April 1-3, 2009</b> <ul style="list-style-type: none"> <li>- An operational strategy to produce Bio-hydrogen: the use of digestate for process control. A Schievano, A Tenca, R Oberti, F Adani*</li> </ul>

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