

# Curriculum Vitae

## Prof. Ing. Daniele Goi PhD

### PERSONAL PROFILE

#### PERSONAL IDENTIFYING DATA AND OTHER REFERENCES



#### Goi Daniele

born to Gemona del Friuli;  
resident to Colloredo di Prato (PdP-UD);  
Citizenship: Italian;  
Military Duty: Civilian Service at U.I.L.D.M.  
Family: Married to Monica, son Yevgeny;

#### Work address:

Department of Chemical Science and Technology  
University of Udine (ITALY)  
Tel. +39-432-558827, FAX +39-432-558803  
Cell. +39 320/7987937  
E-mail: [goi@uniud.it](mailto:goi@uniud.it)  
Skype: goi15goi  
Web site: <http://webgoi.uniud.it/>  
ORCID ID: <https://orcid.org/0000-0002-3436-8124>

#### EDUCATION, STUDIES E TITLES

- Scientific High School degree.
- Master Science degree in Civil engineering (Environmental Planning).
- Enrolled to the Order of the Engineers of the Province of Udine in position n. 1977.
- PhD in "Chemical Technologies and new Materials".
- Researcher of Sanitary and Environmental Engineering.
- Full Professor of Sanitary-Environmental Engineering.
- Director of Master CII (Technological innovation and management of "Integrated Water Cycle").
- Coordinator of MS degree program (Degree Course in Environmental and Territorial Engineering).
- Currently Head of the "[Environmental Pollution and Treatment Group](#)" of the Polytechnic Department of Engineering and Architecture at the University of Udine (Italy).

#### MAIN RESEARCH TOPICS

- Environmental Monitoring, Sanitation of Water: new characterizations and connected problems.
- Water, Wastewater and Sludge Treatment Processes: design and simulation.
- Energy from solid matrices: anaerobic co-digestion of sludge and organic wastes.
- New technologies for environmental pollution treatment: experimental and modeling.

### TEACHING AND INSTITUTIONAL ACTIVITIES

#### TEACHING ACTIVITY

<i>nr</i>	<i>year</i>	<i>subject</i>
1	1996-97	<b>Lecturer</b> activity at the University of Udine within courses of Environmental Engineering and Industrial chemistry.
2	1998-2004	<b>Contract professor</b> of "Environmental and Sanitary Engineering" at the Faculty of Engineering of the University of Udine.
3	2004-2006	<b>Assistant Professor</b> of "Environmental and Sanitary Engineering" at the Faculty of Engineering of the University of Udine.
4	2006-2023	<b>Professor</b> of "Environmental and Sanitary Engineering" at the Faculty of Engineering of the University of Udine.
5	2005-2022	<b>Professor</b> of "Environmental and Sanitary Engineering" at the Faculty of Medicine of the University of Trieste and Udine. Bachelor Degree of Preventative Techniques for the Environment and Workplace".
6	2004-2014	<b>Lecturer</b> at the 2 <sup>nd</sup> level Master School of "Chemical Engineering and Renewable Energy" in Treviso (Italy).
7	2012-2023	<b>Lecturer</b> at the Specialization School in Preventive medicine and hygiene, University of Udine (Italy).

# Curriculum Vitae

## Prof. Ing. Daniele Goi PhD

INSTITUTIONAL ACTIVITIES AND AFFILIATIONS		
nr	year	subject
1	1998-2023	<b>Supervisor</b> of more than 100 BS and MS Candidates at the Faculty of Engineering of the University of Udine and Trieste.
2	1998-2023	<b>Tutor</b> of more than 50 training activities for bachelor and master students.
3	2003-2023	<b>Tutor and Supervisor</b> of more than 20 PhD Candidates at the Faculty of Engineering of the University of Udine, PhD in Environmental and Energy Engineering Sciences ( <i>recent name</i> ).
4	2009	<b>Tutor – supervisor</b> in ERASMUS LPP project with IUT « A »-Lille University (France)
5	2010-12	<b>Tutor – supervisor</b> in ERASMUS LPP project with University of Murcia (Spain)
6	2004	<b>Coordination of APT (Advance Professional Training) course</b> at the CISM - International Centre for Mechanical Sciences: “ <i>Upgrade e Collaudo di Opere per il Trattamento delle Acque Reflue - Problemi Connessi ed Indirizzi di Soluzione</i> ”.
7	2007	<b>Coordination workshop Agemont S.p.A.</b> (Agenzia per lo Sviluppo Economico della Montagna) of Amaro: “ <i>Functional performances of wastewater treatment plants</i> ”.
8	2008	<b>Coordination of APT (Advance Professional Training) course</b> at the CISM - International Centre for Mechanical Sciences: “ <i>Stato attuale e indirizzi tecnologici e gestionali nello smaltimento dei RSU</i> ”.
9	2008	<b>Coordination of italian course – Professional training</b> for engineers, Engineering association of Province of Udine.
10	2008	<b>Collaboration with Agricultural University of Hanoi – Vietnam for thesis work:</b> “Domestic wastewater management, treatment and disposal. A case study: Dang Xa Commune (Vietnam)”.
11	2010	<b>Collaboration with Ohio State University (USA) for thesis work:</b> “Ultrasonic desorption of mercury from contaminated sediments: influence of chelating agent DMPS”.
12	2007	<b>Invited Lecture to workshop:</b> “La bonifica delle aree contaminate, gestione del consenso ottimizzazione dei costi alla luce del 2° Correttivo al D.Lgs. 152/06” - Udine, Italy.
13	2008	<b>Invited Lecture to workshop:</b> “Da rifiuto a risorsa: la gestione della sostanza organica. Udine, Italy.
14	2014	<b>Visiting Professor</b> at the “IRCCS-Mario Negri Institute” Department of Environmental Health Science, Laboratory of Environmental Chemistry and Toxicology Unit.
15	2015	<b>Visiting Professor</b> at the “Water Resources Center” College of Engineering CEGE, Ohio State University, Ohio, USA.
16	2003	<b>Person in charge</b> of a cooperation project with a High School: “Chemical analysis in the environment and treatment of wastes” Faculty of Engineering – High School “ITI Malignani” of Udine.
17	2009-22	<b>Person in charge</b> for the collaborations with the Ohio Water Resources Center – Ohio State University.
18	2011-14	<b>Person in charge</b> for the collaboration with the Royal Belgian Institute of Natural Sciences of Bruxelles.
19	2011	<b>Person in charge delegate</b> of Faculty of Engineering for the project “TFA- activation of high school teachers training” (DM September 10, 2010, no. 249).
20	2020	<b>Person in charge</b> of the RTD-A <a href="#">CAFC Spa</a> research grant: “Integrated Water Cycle Sustainability”.
21	2011-22	<b>Member of Academic Assembly and Board of Directors</b> of CISM (International Centre for Mechanical Science).
22	2011-18	<b>Member of Council for the PhD Program:</b> “Environmental and Energy Engineering Science” (University of Udine).
23	2008-14	<b>Member of Editorial Advisory Board</b> for international open journal “The Open Waste Management Journal” Benthan open.
24	2008-14	<b>Member of Editorial Advisory Board</b> for international open journal “Journal of Waste Water Treatment & Analysis” than Hydrology: Current Research.
25	1998-2008	<b>Referee</b> for Italian Journal: “Agribusiness Landscape & Environment Management”.
26	2004-23	<b>Referee</b> for international journal “CABEQ: Chemical & Biochemical Engineering Quartely”.
27	2007-23	<b>Referee</b> for international journal “Journal of Hazardous Materials”.
28	2008-23	<b>Referee</b> for international journal “Waste Management”.
29	2008-23	<b>Referee</b> for international journal “Environmental Technology”.
30	2012	<b>Referee</b> for international journal “International Journal of Environ. Science and Technology”.
31	2015-22	<b>Referee</b> for international journal “Sustainability”.
32	2019-22	<b>Referee</b> for international journal “Detritus”.
33	2021-23	<b>Referee</b> for international journal “Science of the Total Environment”
34	2008-16	<b>Spin-off at the University of Udine, proposal and person in charge:</b> “RISA srl, Research-Engineering-Development-Environment”.
35	2016	<b>Member of the committee</b> for the proposed PhD thesis, School of Environmental Sciences, Graduate programme Environmental Sciences at University of Nova Gorica (Slovenia).
36	2019-21	<b>Referee</b> of project: OWSD Early Career Selection Committee.
37	2018-23	<b>Co-Ideator</b> of the project: “ <a href="#">ComuniCARE H<sub>2</sub>O</a> ”.
38	2020	<b>Proposal</b> LIFE2020 project “WATER IMPACT FOR LIFE”.
39	2021	<b>Proposal</b> LIFE2021 project “CiMATTER”.

# Curriculum Vitae

## Prof. Ing. Daniele Goi PhD

### RESEARCH ACTIVITIES

NATIONAL AND INTERNATIONAL PUBLIC AND PRIVATE GRANTS			
<i>nr</i>	<i>year</i>	<i>subject</i>	<i>position</i>
1	1996	<b>Research Contract</b> between the Friuli Venezia-Giulia Region and the University of Udine: Rep. 6048 Regional actions of the 23/12/1992: "Study for the organic halogen pollution treatment in water bodies".	Technical Coordinator
2	1997	<b>Research Grant</b> of ECOGEST srl Society for the Department of Chemical Science and Technology, University of Udine: "Study for the chemical characterization of the biogas from a landfill in order to use it as energy production".	Technical Coordinator
3	1997	<b>Research Contract</b> between the Friuli Venezia-Giulia Region and the University of Udine: Rep. N. 6836 regional actions of the 29/12/1997: "Study for new wastewater treatment techniques in the organic halogen pollution treatment".	Technical Coordinator
4	1999	<b>Research Grant</b> of the C.A.F.C. (Consorzio Acquedotto Friuli Centrale) for the Department of Chemical Science and Technology, University of Udine: "Study for improve knowledge about the integrated water system".	Technical Coordinator
5	2000	<b>Research Contract</b> between the Consortium for the AREA Science Park of Trieste (Novimpresa Project) and the Department of Chemical Science and Technology, University of Udine: "Experiences about on-board wastewater treatment by ozone".	Technical Coordinator
6	2001	<b>Research Grant</b> of the General Services srl (Monfalcone-GO) Company for the Department of Chemical Science and Technology, University of Udine: "Treatment of on-board wastewater by ozone".	Technical Coordinator
7	2003	<b>Research Grant</b> of Company CID srl (Colloredo di Monte Albano) for Department of Chemical Science and Technology, University of Udine: "Characterization of wastewater".	Head of the research
8	2005	<b>Research contract</b> between the Company Taverna spa (S. Giorgio di Nogaro) and the Department of Chemical Science and Technology, University of Udine: "Treatment of dredging sludge by traditional and innovative techniques".	Head of the research
9	2005	<b>Contract</b> between the ARPA-FVG and the University of Udine: "Realization of the catalogue of the atmospheric pollution sources on the territory of the Province of Udine".	Co-Officer
10	2007	<b>Research Grant</b> of the Company Taverna spa (S. Giorgio di Nogaro) for the Department of Chemical Science and Technology, University of Udine: "Experimental assays for dredging sludge treatment".	Head of the research
11	2008	<b>Research convention</b> between the Consulta LEDRA institution and the Department of Chemical Science and Technology of the University of Udine: "Surface water bodies biomonitoring".	Head of the research
12	2008	<b>Research convention</b> of the Company Taverna spa (S. Giorgio di Nogaro) with the Department of Chemical Science and Technology, University of Udine: "Review of a technique for dredging sludge treatment".	Head of the research
13	2009	<b>Research convention</b> between the Parco Naturale delle Prealpi Giulie institution and the Department of Chemical Science and Technology of the University of Udine: "Monitoring and treatment proposal for a alp wastewater".	Head of the research
14	2011	<b>Research convention</b> of the Company AMGA spa (Udine) with the Department of Chemistry, Physics and Environment, University of Udine: "Energy conversion of organic matrices and sewage sludge by co-digestion".	Head of the research
15	2011	<b>Research convention</b> of the institution CIPAF (Osoppo) with the Department of Chemistry, Physics and Environment, University of Udine: "Monitoring and simulation of an industrial treatment plant".	Head of the research
16	2012	<b>Research contract</b> between CRITA and the Department of Chemistry, Physics and Environment, University of Udine: "Stripping technology for NH3 removal from digestates".	Head of the research
17	2014	<b>Research contract</b> between the Spin-Off RISA srl and the Department of Chemistry, Physics and Environment, University of Udine: "Research collaboration on wastewater and sludge treatment".	Head of the research
18	2014	<b>Research convention</b> between the CAFC Spa company and the Department of Chemistry, Physics and Environment, University of Udine: "Surface water monitoring".	Head of the research
19	2015	<b>Research agreement</b> between the Carniacque Spa company and the Department of Chemistry, Physics and Environment, University of Udine: "UASB upgrading for water treatment and energy production".	Head of the research
20	2017-23	<b>Research agreement</b> between CAFC Spa, Poiana Spa company, AUSIR Regional Government and the Polytechnic Department of Engineering and Architecture of University of Udine on the topic: "Sustainability of Integrated Water Cycle".	Head of the research

# Curriculum Vitae

## Prof. Ing. Daniele Goi PhD

OTHER RESEARCH/PROFESSIONAL ACTIVITIES		
nr	year	subject
1	1994-96	<b>Design and organization of a laboratory</b> for water and wastewater characterization and treatment – Department of Chemical Science and Technology, University of Udine.
2	1998-2000	<b>Design and testing of AS and UASB pilot plants</b> - Department of Chemical Engineering, Trieste.
3	2002	<b>Officer-person in charge for research fellowship:</b> “Chemical and process characterization of wastewater treatment plants” – University of Udine.
4	2003	<b>Officer-person in charge for PhD fellowship</b> in Chemical and Energetic Technologies from AMGA spa society – UD
5	2005	<b>Officer-person in charge for research fellowship:</b> “Ozone utilization in the disinfection and treatment of organics” – University of Udine.
6	2006	<b>Officer-person in charge for research fellowship:</b> “Study of processes and evaluation of emissions from industries by simulation to reduce atmospheric pollution” – University of Udine.
7	2006	<b>Officer-person in charge for research fellowship:</b> D4 project – Technological Development Project (Friuli Venezia Giulia Region): “Wastewater biological treatment” – University of Udine.
8	2007	<b>Officer-person in charge for research fellowship:</b> “Technologies for final-tertiary treatment in water management: pilot tests and model simulation” – University of Udine.
9	2007	<b>Officer-person in charge for research fellowship:</b> “Physico-chemical processes in final wastewater treatment”– University of Udine.
10	2008	<b>Officer-person in charge for research fellowship:</b> “Biomonitoring in the integrated system water-sludge management”– University of Udine.
11	2009-12	<b>Officer-person in charge for research fellowship:</b> “New technologies for disinfection of primary effluents”– University of Udine.
12	2010	<b>Officer-person in charge for research fellowship:</b> “Sewage sludge characterization and treatment”– University of Udine.
13	2015-16	<b>Officer-person in charge for PhD program financing:</b> “Integrated Water Cycle assessment and management ”– University of Udine.
14	1999	<b>Person in charge of financial grant from</b> Italian Ministry of Research (MURST): “Young researcher project”, <i>“Presence of Organic Halogens in water”</i> .
15	2003	<b>Person in charge for coordination of financial grant from</b> Italian Ministry of Research (MURST) - PRIN2003: “AOX-EOX presence and toxicity evaluation in complex liquid waste”.
16	2006	<b>Person in charge of financial grant from</b> Italian Ministry of Research (MIUR) - PRIN2006 New experimental and managing approaches in liquid waste treatment”, fin.eval. 51/60.
17	2007	<b>Person in charge of international Inter-laboratory exercise for DSTC-Udine:</b> “Analysis of total mercury in different environmental matrices (Lab_code: LAB 23)”, Departamento de Quimica Universidade de Aveiro, Aveiro Portugal.
18	2015-23	<b>Person in charge and coordinator of National project</b> with “IRCCS-Mario Negri Institute”, <i>“Study of the impacts of pharmaceuticals and other residual compounds of integrated water cycle, to ensure optimal sustainable management of territorial ecosystems”</i> .
19	2002	<b>Proposal of European Community Project.</b> Proposal nr.: CRAFT-1999-71970-USCATOZO (Final evaluation: 2,7/3; not financed).
20	2011	<b>Proposal and financing</b> of a fellowship at the PhD course of Civil and Environmental Engineering, Architecture at University of Udine.
21	2011	<b>Proposal and person in charge</b> for the Department of Chemistry, Physics and Environment of the University of Udine of a regional project POR-FESR 2007-2013 “OFMSW and sludge from WWTP codigestion for biogas production”, in cooperation with AMGA spa municipality.
22	2011	<b>Proposal and financing</b> of a fellowship for thesis work at the Ohio State University (USA).
23	2009-12	<b>Proposal, design and organization of a new laboratory</b> for water and wastewater characterization and treatment – Department DCFA, University of Udine.
24	2017	<b>Proposal</b> of European HORIZON2020 Project. nr: 776451 FullWaterRecovery (Tot 6; not financed).
25	2018	<b>Proposal</b> of European INTERREG ITA-SLO Project: HYDROSMART (not financed).
26	2011	<b>Proposal</b> of European HORIZON2020 Project. nr: 820886-1 WASTEWATER DIGIT (not financed).
26	2011	<b>Patent:</b> “Uso di derivati della pentaflorina come antimicrobici e disinfettanti”, C. Comuzzi, G. Rossi, R. Fedele, D. Goi. Application Number: PCT/IB2011/053992, EU extension 2011;
27	2014	<b>Person in charge of financial grant from</b> Italian Ministry of Research (MURST): “Young researcher project”, <i>“Presence of Organic Halogens in water”</i> .
28	2013-16	<b>Proposal together with Dott. Natolino Fabrizio of a Center for the Water Studies (CSH<sub>2</sub>O)</b> , by CAFC Spa Water Management Company, for integrated water cycle studies.
29	2017	<b>Proposal of the WRC-UNIUD</b> (Water Resources Center by The University of Udine).
30	2015-18	<b>Proposal of International collaboration project</b> , on “Integrated Water Cycle Education and Research” at the WRC Water Resources Center-OSU (Ohio-USA), <b>Coordinator</b> for the university of Udine of a Study Abroad.
31	2019-23	<b>Proposal of a Regional Government Agreement</b> , on “Sustainability of Integrated Water Cycle: networks, processes and residuals”.

# Curriculum Vitae

## Prof. Ing. Daniele Goi PhD

PUBLICATIONS	
P1	C. de Leitenburg, <b>D. Goi</b> , A. Primavera, A. Trovarelli, G. Dolcetti, "Wet oxidation of acetic acid catalyzed by doped ceria", <i>Appl. Catal. B-Environ.</i> (1996) 11, L29-L35.
P2	P. Pivato, N. Cirino, <b>D. Goi</b> , G. Dolcetti, "Produzione di energia elettrica da biogas di discarica: rilievo e caratterizzazione di un caso reale", 8° <i>Convegno Nazionale – Inquinamento dell'Aria e Tecniche di Riduzione</i> (Padova 30 nov. – 3 dic. 1998): 207-212.
P3	P. Pivato, <b>D. Goi</b> , G. Dolcetti, M. Mion, "Rimozione biologica di sostanze organo-alogenate in reflui civili" <i>Convegno Nazionale Interdisciplinare: Ecoagricoltura, Biotecnologie e Qualità della Vita</i> (Udine 8-9 Luglio 1999).
P4	P. Pivato, <b>D. Goi</b> , M. Pasinato, G. Dolcetti, A. Gastaldello, "Preliminary results of a study of AOX and the removal of heavy metals from landfill leachate by means of multistage treatment plants and reverse osmosis", <i>International Specialized Conference on Membrane Technology in Environmental Management</i> , Tokyo, JAPAN (1999): 428-431.
P5	M. Bozzato, <b>D. Goi</b> , V. Gallo, I. Colussi, "Modello combinato fluidodinamico-cinetico di gasificatore a letto fluido circolante per RDF" 9° <i>Convegno Nazionale – Inquinamento dell'Aria e Tecniche di Riduzione</i> (Padova dic. 1999): 185-195.
P6	<b>D. Goi</b> , E. Decorte, P. Pivato, G. Dolcetti, "Monitoraggio dei sottoprodotti organo-alogenati di disinfezione in una rete acquedottistica del Friuli Centrale", <i>IA-Ingegneria Ambientale</i> (2000) XXIX:12-16.
P7	<b>D. Goi</b> , P. Pivato, I. Colussi, G. Dolcetti, "Upflow anaerobic sludge bed (UASB) technology assay for AOX removal from mixed municipal-industrial wastewater" <i>Chem. Biochem. Eng. Q.</i> (2000) 14(2): 63-67.
P8	L. Tomasella, <b>D. Goi</b> , F. Barbone, F. Tubaro, G. Dolcetti, G. Bontempelli, "Qualità delle acque potabili nel Medio-Friuli", <i>Convegno Nazionale Interdisciplinare: Consumi e sicurezza agroalimentare tra interessi privati e azione pubblica</i> (Udine 16-17 novembre 2000).
P9	<b>D. Goi</b> , N. Cirino, P. Pivato, G. Lizzi, G. Dolcetti, "Conversione del biogas di discarica in energia elettrica: aspetti previsionali ed economici di un caso in provincia di Udine" <i>RS-Rifiuti Solidi</i> (2000) XIV: 367-371.
P10	<b>D. Goi</b> , L. Zomero, G. Dolcetti, "Presenza di sostanze organo-alogenate in fanghi di depurazione utilizzati in agricoltura" <i>Agribusiness Paesaggio &amp; Ambiente</i> , (2000), 4 n. 1: 53-58.
P11	P. Pivato, <b>D. Goi</b> , G. Dolcetti, M. Mion, "Rimozione biologica di sostanze organo-alogenate in reflui civili" <i>Agribusiness Paesaggio &amp; Ambiente</i> , (2000), 4 n. 2: 120-125.
P12	<b>D. Goi</b> , "Introduzione alla Ingegneria Sanitaria-Ambientale" <i>Iper testo su CD ROM</i> (pubblicato in proprio, Udine, 2001).
P13	L. Tomasella, <b>D. Goi</b> , F. Barbone, F. Tubaro, G. Dolcetti, G. Bontempelli, "Qualità e sicurezza delle acque potabili nel Medio-Friuli in relazione al processo di clorazione", <i>Agribusiness Paesaggio &amp; Ambiente</i> (2001), 5 n. 1: 24-27.
P14	<b>D. Goi</b> , L. Tomasella, F. Tubaro, F. Barbone, "Monitoraggio di precursori dei sottoprodotti della clorazione in acquedotti del Friuli centrale", <i>IA-Ingegneria Ambientale</i> , (2002), XXXI (1):38-43.
P15	M. Celotto, <b>D. Goi</b> , V. Gallo, I. Colussi, "Prove respirometriche di tossicità in un impianto di depurazione reflui industriali", <i>IA-Ingegneria Ambientale</i> , (2002), XXXI (2):122-127.
P16	<b>D. Goi</b> , V. Tosoratti, I. Colussi, G. Dolcetti, "Control e monitoraggio di sottoprodotti di disinfezione con parametri POX e UV-254 in aghi dal Friuli", <i>Gjornâl Furlan des Siencis (Friulian Journal of Science)</i> , (2002), 1: 11-29.
P17	<b>D. Goi</b> , "Trattamento anaerobico di reflui molto concentrati" <i>Rapporti GSISR N. 130/02</i> , Milano (2002).
P18	<b>D. Goi</b> , I. Cimarosti, G. Dolcetti, "Nuovi approcci metodologici per dimensionare gli impianti di depurazione", <i>Rassegna Tecnica del FVG</i> , (2002), 4/2002:31-35.
P19	C. Roselli della Rovere, L. Sartor, <b>D. Goi</b> , G. Dolcetti, "Metals and EOX in sludge wastewater treatment management", <i>International Symposium on Sustainable Management of Solid Organic Waste, Udine 21-22 November 2002, Poster</i> .
P20	<b>D. Goi</b> , L. Sartor, C. Roselli Della Rovere, G. Dolcetti, "Presenza di composti organo-alogenati estraibili (EOX) in fanghi provenienti da impianti di depurazione acque reflue" <i>IA-Ingegneria Ambientale</i> , (2003), XXXII (2):97-102.
P21	<b>D. Goi</b> , G. Melissari, C. Roselli Della Rovere, G. Dolcetti, "Preliminary bench and pilot plant experiences for on board wastewater treatment by ozone", <i>Ozone-Sci. Eng.</i> (2003), 25:177-183.
P22	L. Mrafkova, <b>D. Goi</b> , V. Gallo, I. Colussi, "Preliminary evaluation of inhibitory effects of some substances on aerobic and anaerobic treatment plant biomasses", <i>Chem. Biochem. Eng. Q.</i> (2003), 17 (3): 243-247.
P23	C. Roselli, F. Gubiani, <b>D. Goi</b> , G. Dolcetti, "Nuove frontiere di ricerca applicata alla depurazione delle acque: utilizzo degli ultrasuoni", <i>Convegno Nazionale Interdisciplinare: Governance e partecipazione: nuova frontiera di sviluppo sostenibile agro-ambientale e paesaggistico</i> (Udine 6-7 novembre 2003), poster session.
P24	<b>D. Goi</b> , I. Cimarosti, C. Roselli Della Rovere, "Modelli matematici per impianti di depurazione: primarie applicazioni in Friuli", <i>Gjornâl Furlan des Siencis (Friulian Journal of Science)</i> , (2003), 4:73-84.
P25	<b>D. Goi</b> , A. Geminiani, R. Meriggi, "Caratterizzazione del rifiuto e aspetti geotecnici di una discarica", <i>Rassegna Tecnica del FVG</i> , (2004), 1/2004:39-42.
P26	<b>D. Goi</b> , G. Dolcetti, "Monitoring organic-halogen presence in waters by global parameters POX, AOX and EOX: a case study in north-east Italy", <i>Proceedings of SIDISA 2004</i> , 314.
P27	<b>D. Goi</b> , G. Di Giorgio, I. Cimarosti, G. Dolcetti, "Prove sperimentali per la determinazione delle costanti cinetiche e stechiometriche in impianti a fanghi attivi: un caso di studio" <i>IA-Ingegneria Ambientale</i> , (2004), XXXIII (7/8):348-355.
P28	<b>D. Goi</b> , C. de Leitenburg, A. Trovarelli, G. Dolcetti, "Catalytic wet-oxidation of a mixed liquid waste: COD and AOX abatement", <i>Environ. Technol.</i> , (2004), 25:1397-1403.
P29	A. Cassan, <b>D. Goi</b> , F. Tubaro, S. Brückner, A. Bachiarrini, S. Maschio, "Sintering Behaviour of Thermally Treated Municipal Sewage Sludge (MSS)", <i>Ind. Ceram.</i> , (2004), 24:173-179.
P30	M. Plazzotta, <b>D. Goi</b> , E. Decorte, "Controllo delle acque sotterranee in prossimità di discariche: sperimentazione di un nuovo parametro", <i>Rassegna Tecnica del FVG</i> , (2005), 1/2005:22-24.

## Curriculum Vitae

### Prof. Ing. Daniele Goi PhD

P31	R. Meriggi, M. Del Fabbro, G. Cignacco, <b>D. Goi</b> , C. Roselli Della Rovere, F. Gubiani, "Geotechnical Characteristics of Dredged Material Subjected to Ultrasonic Treatment", <i>Proceedings of International Conference on Problematic Soils, 25-27 May 2005, Eastern Mediterranean University, Famagusta, N. Cyprus (2005)</i> , 325-333.
P32	<b>D. Goi</b> , F. Tubaro, F. Barbone, G. Dolcetti, G. Bontempelli, "Evaluation of chlorinated by-products in drinking waters of central Friuli (Italy)" <i>Ann.Chim-Rome</i> , (2005), 95: 617-627.
P33	<b>D. Goi</b> , F.Conti, G. Urbini, "Trattamento delle acque reflue: upgrade e collaudo" <i>Monografie CISM, CISM, Udine (2005)</i> , ISBN: 88-85137-18-0.
P34	N. De Bortoli, G. Di Giorgio, <b>D. Goi</b> , M. Mion, "Esperienza di gestione del bulking filamentoso causato da Microthrix particella in un impianto a biomassa sospesa", <i>IA-Ingegneria Ambientale</i> , (2005), XXXIV (10):511-519.
P35	F. Gubiani, B. Lesa, C. Comuzzi, <b>D. Goi</b> , G. Dolcetti, "Ultrasonic bench-treatment of dredging sludge (a case study in North-East Italy)", <i>Poster of the European workshop on heavy metal contaminated, marine sediments, Bremen, Germany, October 13-14 (2005)</i> .
P36	<b>D. Goi</b> , F. Tubaro, G. Dolcetti, "Metals and EOX in Sludge from Municipal Wastewater Treatment Plants: A Case Study", <i>Waste Manage.</i> , (2006), 26: 167-175.
P37	<b>D. Goi</b> , C. de Leitenburg, G. Dolcetti, A. Trovarelli, "COD and AOX abatement in catalytic wet oxidation of halogenated liquid wastes using CeO <sub>2</sub> -based catalysts", <i>J. Alloy. Compd.</i> , (2006), 408-412:1136-1140
P38	<b>D. Goi</b> , G. Di Giorgio, I. Cimarosti, M. Mion, G. Dolcetti, "An approach to the simulation of a batch-respirometer", <i>Chem. Biochem. Eng. Q.</i> , (2006), 20 (2): 197-202.
P39	<b>D. Goi</b> , G. Di Giorgio, R. Borghese, "Verifica dell'efficienza degli impianti di depurazione biologici tradizionali per il trattamento delle acque", <i>Rassegna Tecnica del FVG</i> , (2006), 1/2006:23-26.
P40	<b>D. Goi</b> , G. Rossi, F. Barbone, "Il trattamento biologico di depurazione delle acque della cartiera di Tolmezzo: caratterizzazione delle biomasse tramite macroparametri e microparametri", <i>Rassegna Tecnica del FVG</i> , (2006), 5/2006:14-18.
P41	<b>D. Goi</b> , "Ossidazione ad Umido Catalitica di reflui Complessi", in "Il trattamento dei reflui industriali e rifiuti liquidi" a cura di Claudio Lubello, McGraw-Hill, Milano, (2007):160-171.
P42	<b>D. Goi</b> , G. Rossi, C. Pipan, G. Menchini, F. Barbone, "Disinfezione mediante ozono di acque di piscine e vasche terapeutiche: indagini sperimentali di trattamento per il dimensionamento", <i>IA-Ingegneria Ambientale</i> , (2007), XXXVI (6):342-348.
P43	<b>D. Goi</b> , "Le verifiche funzionali negli impianti di depurazione", <i>Rassegna Tecnica del FVG</i> , (2007), 2/2007:33-35.
P44	<b>D. Goi</b> "Fondamenti per il dimensionamento di un impianto di potabilizzazione-recupero". in "Quaderni Tecnici di Ingegneria" Vol. 1: <i>Seminari di preparazione all'esame di stato per l'abilitazione alla professione di ingegnere</i> . a cura di Facoltà di Ingegneria-Università di Udine, Ordine degli Ingegneri delle Province di Udine e Pordenone, <i>CISM, Udine</i> , (2008):161-178.
P45	G. Rossi, I. Cimarosti, <b>D. Goi</b> , F. Barbone, "Studio della capacità metabolica della biomassa nei fanghi attivi mediante analisi del metabolismo energetico cellulare", <i>Proceedings of SIDISA 2008, Firenze, ID 277, ISBN 978-88-903557-0-7</i>
P46	M. Simonetti, <b>D. Goi</b> , I. Cimarosti, B. Longo, "Trattamenti chimico-fisici posti in posizione terziaria per la depurazione delle acque reflue", <i>Proceedings of SIDISA 2008, Firenze, ID 303, ISBN 978-88-903557-0-7</i> .
P47	C.B. Rizzardini, L. Catalano, M. Contin, <b>D. Goi</b> , M. De Nobili, "Effetti del Mercurio sulla metanogenesi in sedimenti, suoli e fanghi di depurazione", <i>Atti del XI Congresso Nazionale di Chimica dell'Ambiente e dei Beni Culturali, Muggia (TS) 16-20 Giugno 2008, ISBN 978-88-8303-230-1</i> .
P48	<b>D. Goi</b> , C. Gregoris, "L'utilizzo dei modelli matematici nel procedimento di indagine dei processi di depurazione", <i>Rassegna Tecnica del FVG</i> , (2008), 2/2008:13-15.
P49	B. Lesa, E. Aneghi, C. Comuzzi, G. Dolcetti, <b>D. Goi</b> , "Effect of low frequency ultrasounds on desorption of mercury from solid matrices (a case study in north-east Italy)", <i>Proceedings of 1st International Conference on Hazardous Waste Management, 1-3 October 2008, Chania-Crete, Greece (2008)</i> .
P50	<b>D. Goi</b> , F.Conti, "Smaltimento dei Rifiuti Solidi Urbani, stato attuale-tecnologie-gestione" <i>Monografie CISM, CISM, Udine (2008)</i> , ISBN: 978-8885137-24-0.
P51	V. Pieri, <b>D. Goi</b> , "L'utilizzo degli ostracodi (Crustacea: Ostracoda) per il monitoraggio della qualità delle acque: il caso del bacino del fiume Ledra (Friuli Venezia Giulia)", <i>3° Meeting degli ostracodologi italiani, Parma 9-10 Febbraio 2009. Abstract pubbl. interna</i> .
P52	C.B. Rizzardini, <b>D. Goi</b> , "European Directives and Italian Regulation on Sludge from Municipal Wastewater Treatment Plants: Current Status and Future Prospective". <i>The Open Waste Management Journal</i> , 2009, 2, 17-26.
P53	C.B. Rizzardini, M. Contin, M. De Nobili, A. Patriarca, <b>D. Goi</b> , "Small scale co-composting plants to recycle sewage sludge and green waste", <i>Proceedings of Waste-to-Resources 2009, III International Symposium MBT and MRF, Mechanical biological waste treatment and material recovery facilities, Matthias Kuehle-Weidemeier Ed., 12-15 Mai 2009, Hanover, Germany, pp 560-564, (2009), ISBN: 978-3-86727-956-7</i> .
P54	G. Rossi, C. Gregoris, M. Simonetti, B. Longo, <b>D. Goi</b> , "Micro and macro parametric techniques for activated sludge process monitoring: a case study." <i>Proceedings of International Workshop: Integrated vision of urban and agro-industrial wastewater treatment, monitoring and reclamation: The key role played by the Sewage Treatment Plant, 2<sup>nd</sup>-3<sup>rd</sup> July, Terni, Italy, (2009)</i> .
P55	B. Lesa, E. Aneghi, G. Rossi, C. Comuzzi, <b>D. Goi</b> , "Bench-scale tests on ultrasound-assisted acid washing and thermal desorption of mercury from dredging sludge and other solid matrices", <i>J. Hazard. Mater.</i> (2009), 171: 647-653.
P56	V. Pieri, J. Vandekerckhove, <b>D. Goi</b> , "Freshwater Ostracoda (Crustacea) as indicators for surface water quality: a case study from Ledra river basin (NE Italy)", <i>Proceedings of 16th International Symposium on Ostracoda, João Carlos Coimbra Ed., 23-30 July 2009, Brasília, Brazil (2009)</i> .

## Curriculum Vitae

### Prof. Ing. Daniele Goi PhD

P57	<b>D. Goi</b> , G. Di Giorgio, I. Cimarosti, B. Lesa, G. Rossi, G. Dolcetti, "Treatment of Landfill Leachate by H <sub>2</sub> O <sub>2</sub> catalytic wet air oxidation: COD-AOX reduction, biodegradability enhancement and comparison with a Fenton-type oxidation", <i>Chem. Biochem. Eng. Q.</i> (2009) 23 (3): 343–349.
P58	B. Lesa, E. Aneggi, C. Comuzzi, <b>D. Goi</b> , "Prove sperimentali di pre-sonicazione nella rimozione del mercurio in fanghi di dragaggio della laguna di Grado-Marano", in "Siti Contaminati – Esperienze negli interventi di risanamento" CSISA-Onlus ed., Catania, (2010): 379-386.
P59	<b>D. Goi</b> , G. Indovina, "Metodi ed esperienze progettuali nel settore della depurazione acque" <i>Quaderni Tecnici di Ingegneria, Vol. 3, CISM-Udine (2010), ISBN: 978-8885137-31-8.</i>
P60	C.B. Rizzardini, <b>D. Goi</b> , "Recuperabilità dei fanghi di depurazione", <i>IA-Ingegneria Ambientale, (2010), XXXIX (7-8):380-383.</i>
P61	V. Pieri, A. Daici, M. Simonetti, <b>D. Goi</b> , " Monitoraggio della qualità delle acque del bacino del fiume Ledra", <i>IA-Ingegneria Ambientale, (2010), XXXIX (5):241-248.</i>
P62	G. Rossi, C. Comuzzi, F. Barbone, <b>D. Goi</b> , "Experimental Tests for Ozone Disinfection Treatment in a Small Backyard Swimming-Pool". <i>Journal of Waste Water Treatment &amp; Analysis</i> , (2010) 1 (2) ISSN: 2157-7587, <a href="http://dx.doi.org/10.4172/2157-7587.1000105">http://dx.doi.org/10.4172/2157-7587.1000105</a> .
P63	G. Rossi, C. Comuzzi, R. Fedele, <b>D. Goi</b> , "Bactericidal activity characterization of an expanded porphyrin on Gram-positive bacteria. <i>Journal of Biotechnology</i> , (2010) 150: 438, ISSN: 0168-1656, doi: <a href="http://dx.doi.org/10.1016/J.JBIOTEC.2010.09.623">http://dx.doi.org/10.1016/J.JBIOTEC.2010.09.623</a> .
P64	B. Lesa, E. Aneggi, C. Comuzzi, G. Dolcetti, <b>D. Goi</b> , "Salt assisted and sonolitic supported thermal desorption of mercury from polluted dredging sludge", <i>Proceedings of 2st International Conference on Hazardous and industrial Waste Management, 5-8 October 2010, Chania-Crete, Greece (2010).</i>
P65	V. Cabbai, M. Simonetti, <b>D. Goi</b> , "La co-digestione anaerobica dei fanghi di depurazione e Forsu", <i>Rassegna Tecnica del FVG, (2010), 3/2010: 24-26.</i>
P66	M. Simonetti, G. Rossi, V. Cabbai, <b>D. Goi</b> . "Experimental tests of ultrasonic pretreatment on organic fractions for anaerobic co-digestion". <i>Proceedings of 3rd International Simposium on Energy from Biomass and Waste</i> , 8-11 November 2010, VENICE, Poster nr. 174 and Paper n. PA05. ISBN 978-88-6265-008-3.
P67	C. B. Rizzardini, M. Contin, M. De Nobili, <b>D. Goi</b> , "Il recupero dei fanghi di depurazione prodotti da impianti di trattamento delle acque reflue", <i>Rassegna Tecnica del FVG, (2010), 5/2010: 36-39.</i>
P68	C. Comuzzi, B. Lesa, E. Aneggi, G. Dolcetti, <b>D. Goi</b> "Salt-assisted thermal desorption of mercury from contaminated dredging sludge". <i>J. Hazard. Mater.</i> (2011), 193:177-182, DOI:10.1016/j.jhazmat.2011.07.047.
P69	V. Pieri, J. Vandekerkhove, <b>D. Goi</b> , "Ostracoda (Crustacea) as indicators for surface water quality: a case study from the Ledra River basin (NE Italy)". <i>Hydrobiologia</i> (2012), 688:25-35, DOI 10.1007/s10750-010-0568-1.
P70	C.B. Rizzardini, M. Contin, M. De Nobili, <b>D. Goi</b> , "Sewage sludge quality from small wastewater treatment plants". <i>Proceedings of the ICE - Waste and Resource Management (2012)</i> , 165: 67-78, ISSN: 1747-6526, DOI: 10.1680/warm.2012.165.2.67.
P71	V. Pieri, J. Vandekerkhove, <b>D. Goi</b> ,. Ostracoda (Crustacea) as indicators for surface water quality: a case study from the Ledra River basin (NE Italy). In: VI Convegno degli Ostracologi Italiani. Trieste: EUT (2012), ISBN: 978-88-8303-375-9.
P72	<b>D. Goi</b> , D. Giaiotti, F. Stel, "Modelistiche numeriche pe valutazion e ggestion de cualità dal aiar (Numerical modelling for air quality assessment and management)", <i>GFS (Friulian Journal of Science), (2011), 15:17-23.</i>
P73	V. Cabbai, M. Simonetti, <b>D. Goi</b> , "Digjestion anaerobiche dal pantan dal depurator cu la FORSU (Anaerobic co-digestion of sewage sludge with OFMSW)", <i>GFS (Friulian Journal of Science), (2011), 15:33-40.</i>
P74	G. Rossi, C. Comuzzi, <b>D. Goi</b> "Photodynamic inactivation of <i>S.aureus</i> in water using visible light and a new expanded porphyrin.". <i>J. Water Health</i> (2012), 10.3: 390-399, DOI: 10.2166/wh.2012.034.
P75	E. Aneggi, V. Cabbai, A. Trovarelli, <b>D. Goi</b> , "Ceria-based catalysts potential for the oxidation of landfill leachate by heterogeneous Fenton process" <i>Special Issue on "Advanced Oxidation Processes for Wastewater Treatment"</i> , <i>Int. J. Photoenergy</i> (2012), Volume 2012, Article ID 694721, 8 pages. doi:10.1155/2012/694721.
P76	C.B. Rizzardini, <b>D. Goi</b> "Pollution concerns on land use of sewage sludge from municipal wastewater treatment plants". In: L. Bonomo, R. Canziani, F. Malpei, M. Grosso, S. Saponaro. Book of Abstracts, (2012) SIDISA 2012. Milano, 26-29/06/2012, vol. ID: 876, Milano:L. Bonomo, ISBN: 978-88-903557-2-1.
P77	V. Cabbai, M. Ballico, <b>D. Goi</b> "Anaerobic digestion of sewage sludge: macromolecular composition and IWA ADM1 application" . In: L. Bonomo, R. Canziani, F. Malpei, M. Grosso, S. Saponaro. Book of Abstracts, (2012) SIDISA 2012. Milano, 26-29/06/2012, vol. ID: 949, Milano:L. Bonomo, ISBN: 978-88-903557-2-1.
P78	G. Rossi, C. Comuzzi, <b>D. Goi</b> "Water disinfection by photodynamic inactivation with cationic porphyrin". In: L. Bonomo, R. Canziani, F. Malpei, M. Grosso, S. Saponaro. Book of Abstracts, (2012) SIDISA 2012. Milano, 26-29/06/2012, vol. ID: 855, Milano:L. Bonomo, ISBN: 978-88-903557-2-1.
P79	M. Contin, <b>D. Goi</b> , M. De Nobili. "Land application of aerobic sewage sludge does not impair methane oxidation rates of soils" <i>Sci. Total Environ.</i> , vol. 441, p. 10-18, (2012).
P80	Cabbai V., M. Ballico, E. Aneggi, <b>D. Goi</b> . "BMP tests of source selected OFMSW to evaluate anaerobic codigestion with sewage sludge" <i>Waste Manage.</i> , (2013), 33: 1626-1632.
P81	De Pauli S., Comuzzi C., <b>Goi D.</b> "Rimozione del mercurio da fanghi di dragaggio mediante scambio ionico e trattamento termico" (2013). In: M.R. Boni, C. Collivignarelli, F.G.A. Vagliasindi. Siti contaminati. Esperienze negli interventi di risanamento. CATANIA: Edizioni CSISA, Università degli Studi di Catania, ISBN: 88-7850-013-5, Roma , 21-23/2/2013.

## Curriculum Vitae

### Prof. Ing. Daniele Goi PhD

P82	Perin R., Cocolo A., Nicolini M., <b>Goi D.</b> "Un modello numerico del bacino idrografico del fiume Ledra". In: Rassegna Tecnica del FVG. (2013). vol. 1, p. 17-21.
P83	M. Trigatti, <b>D. Goi</b> , "Sustainable stormwater management: an analysis of the industrial area of Buja & Osoppo (Udine)", <i>Gjornâl Furlan des Siencis (Friulian Journal of Science)</i> , (2012-13), 17:19-28.
P84	L. Piani, C. B. Rizzardini, A. Papo, <b>Goi D.</b> "Rheology Measurements for Online Monitoring of Solids in Activated Sludge Reactors of Municipal Wastewater Treatment Plant". <i>The Scientific World Journal</i> , Volume 2014, Article ID 590961, 6 pages, Hindawi Publishing Corporation, <a href="http://dx.doi.org/10.1155/2014/590961">http://dx.doi.org/10.1155/2014/590961</a> .
P85	C. B. Rizzardini, <b>D. Goi</b> , "Sustainability of Domestic Sewage Sludge Disposal" <i>Sustainability</i> (2014), 6(5): 2424-2434, <a href="http://dx.doi.org/10.3390/su6052424">http://dx.doi.org/10.3390/su6052424</a> .
P86	M. Simonetti, G. Rossi, V. Cabbai, <b>D. Goi</b> , "Tests on the effect of ultrasonic treatment on two different activated sludge waste" <i>Environ. Prot. Eng.</i> , (2014), 40(1): 23-34.
P87	M. Trigatti, R. Perin, M. Nicolini, <b>D. Goi</b> , "Preliminary Analysis of stormwater runoff and pollutant washoff in an industrial district", Proceedings of 13th Specialized Conference on Watershed and River Basin Management, 9-12 September 2014, San Francisco (USA).
P88	P. Bottega, L. K. Weavers, C. Comuzzi, D. Goi, "Nuove tecnologie per la bonifica di sedimenti contaminati da metalli pesanti: valutazione sperimentale di due applicazioni per il desorbimento di mercurio da sedimenti contaminate," <i>Ecoera- ambiente, rifiuti, demolizioni</i> , 2014, 26 (Marzo), 52-55.
P89	M. Thandu, C. Comuzzi, <b>Goi D.</b> "Phototreatment of Water by Organic Photosensitizers and Comparison with Inorganic Semiconductors". <i>Int. J. Photoenergy</i> , (2015), Article ID 521367, 6 pages, Hindawi Publishing Corporation, <a href="http://dx.doi.org/10.1155/2015/521367">http://dx.doi.org/10.1155/2015/521367</a> .
P90	M. Borsetta, V. Cabbai, <b>D. Goi</b> , "Implants in codigestion anaerobiche: un câs di studi te Province di Udin; Anaerobic co-digestion plants: a case study in the Province of Udine", <i>Gjornâl Furlan des Siencis (Friulian Journal of Science)</i> , (2014), 18:31-39.
P91	M. Trigatti, R. Perin, M. Nicolini, <b>D. Goi</b> , "Quality stormwater modeling in small suburban catchments: a case study" Proceedings of International Conference on Sustainable Water Management; 29 November to 3 December 2015 at Murdoch University, Perth, Western Australia.
P92	V. Cabbai, N. De Bortoli, <b>D. Goi</b> , "Pilot plant experience on anaerobic codigestion of source selected OFMSW and sewage sludge" <i>Waste Manage.</i> , (2016), 49: 47-54.
P93	Thandu, C. Comuzzi, G. Rossi, <b>D. Goi</b> "Polymeric films for water photodisinfection". In: M.R. Boni, P. Sirini, A. Chiavola, A. Poletti, R. Pomi, P. Viotti, A. Rossi. Book of Abstracts, (2016), X International Symposium on Sanitary and Environmental Engineering, SIDISA 2016. Rome, 19-23/06/2016, P/11, ISBN: 978-88-496-391-1.
P94	M. Mainardis, G. Rossi, V. Cabbai, <b>D. Goi</b> "Characterization of high-loaded organic substrates and suitability as a potential feed for high-velocity anaerobic UASB reactors". In: M.R. Boni, P. Sirini, A. Chiavola, A. Poletti, R. Pomi, P. Viotti, A. Rossi. Book of Abstracts, (2016), X International Symposium on Sanitary and Environmental Engineering, SIDISA 2016. Rome, 19-23/06/2016, P/20, ISBN: 978-88-496-391-1.
P95	M. Trigatti, R. Perin, M. Nicolini, D. Goi, "Stormwater quantity and quality for sustainable management of runoff in an industrial district. Preliminary analysis and modelling of first foul flush effect", <i>Journal of Multidisciplinary Engineering Science and Technology (JMEST)</i> , Vol. 3 Issue 7, July – 2016; ISSN: 2458-9403. ( <a href="http://www.jmest.org/vol-3-issue-7-july-2016/">http://www.jmest.org/vol-3-issue-7-july-2016/</a> ).
P96	D. G. Lizzi, R. Collazzo, E. Capra, R. Lazzarini, <b>D. Goi</b> , "Basic approach to the initial environmental analysis for the implementation of an Environmental Management System in a Health Structure: the case study of CRO-Aviano (Italy)", <i>TOWMJ</i> , ISSN: 1876-4002 — Volume 10, 2017: <a href="https://benthamopen.com/contents/pdf/TOWMJ/TOWMJ-10-1.pdf">https://benthamopen.com/contents/pdf/TOWMJ/TOWMJ-10-1.pdf</a> .
P97	M. Mainardis, G. Zannier, M. Mion, <b>D. Goi</b> , "Energetic Valorization of Cheese Whey using UASB Technology: a case-study". Communications in Agricultural and Applied Biological Sciences, Ghent University, (2017), 82 (4).
P98	M. Mainardis, G. Zannier, M. Mion, <b>D. Goi</b> , "UASB anaerobic treatment of liquid substrates: A case study in Friuli-Venezia Giulia region", 9th Eastern European Young Water Professionals Conference, Book of Abstracts, ISBN 978-963-313-256-2, 24-27 May 2017.
P99	M.M. Thandu, S. Cavalli, G. Rossi, C.B. Rizzardini, <b>D. Goi</b> , Comuzzi C., "Biological evaluation of a Porphyrin-SPION nanoconjugate as an antimicrobial magnetic photosensitizer", <i>J. Porphyrins Phthalocyanines</i> (2017), 21: 581–588, DOI: 10.1142/S1088424617500560.
P100	E. Aneggi, A. Trovarelli, <b>D. Goi</b> , "Degradation of phenol in wastewaters via heterogeneous Fenton-like Ag/CeO <sub>2</sub> catalyst", <i>J Environ Chem Eng</i> , (2017), 5 (1): 1159-1165.
P101	M. Mainardis, V. Cabbai, G. Zannier, D. Visintini, <b>D. Goi</b> , "Characterization and BMP tests of liquid substrates for high-rate anaerobic digestion", <i>Chem. Biochem. Eng. Q.</i> , (2017), 31(4).
P102	G. Raitano, D. Goi, V. Pieri, A. Passoni, M. Michele, L. Anna, I. Romeo, A. Manganaro, M. Marzo, N. Porta, D. Baderna, A. Colombo, E. Aneggi, F. Natolino, M. Lodi, R. Bagnati, E. Benfenati, "(Eco)toxicological maps: A new risk assessment method integrating traditional and in silico tools and its application in the Ledra River (Italy)", <i>Environment International</i> , (2018), 119: 275-286.
P103	Khakbaz, D. Goi, "The EOX parameter in characterization of sewage sludge", <i>Gjornâl Furlan des Siencis (Friulian Journal of Science)</i> , (2018), 24:36-43.
P104	C. Comuzzi, M. Ballico, E. Aneggi, M. J. Rubio Aleman, G. J. Conesa Perez, A. Fattori, <b>D. Goi</b> , "Ionic exchange desorption of mercury from contaminated dredging sludge (at 393K and ambient temperature)", <i>Soil and Sediment Contamination: An International Journal</i> , (Soil Sediment Contam), 2018, <a href="http://www.tandfonline.com/doi/full/10.1080/15320383.2018.1551326">www.tandfonline.com/doi/full/10.1080/15320383.2018.1551326</a> .



## Curriculum Vitae

### Prof. Ing. Daniele Goi PhD

P105	A. Khakbaz, C. Bravo, M. Contin, <b>D. Goi</b> , M. De Nobili, "Integrity of the use of humic substances (HS) as tracers of biological transformation during storage of treated sludge", 19th International Conference of International Humic Substances Society, (2018), Book of Abstracts, Ed. Dr. Ekaterina Filcheva, Bulgarian Humic Substances Society, pp 199-200, ISBN 978-619-90189-3-4.
P106	A. Khakbaz, <b>D. Goi</b> , "The EOX parameter in characterization of sewage sludge", <i>Gjornal Furlan des Siencis (Friulian Journal of Science)</i> , (2018), 25:36-43.
P107	M. Mainardis, S. Flaibani, F. Mazzolini, A. Peressotti, <b>D. Goi</b> "Techno-economic analysis of anaerobic digestion implementation in small Italian breweries and evaluation of biochar and granular activated carbon addition effect on methane yield", <i>Journal of Environmental Chemical Engineering</i> , (2019), 7: 103184.
P108	M. Mainardis, S. Flaibani, M. Trigatti, <b>D. Goi</b> , "Techno-economic feasibility of anaerobic digestion of cheese whey in small Italian dairies and effect of ultrasound pre-treatment on methane yield", <i>Journal of Environmental Management</i> , (2019), 246: 557-563.
P109	M. Mainardis, <b>D. Goi</b> "Pilot-UASB reactor tests for anaerobic valorisation of high-loaded liquid substrates in Friulian mountain area", <i>Journal of Environmental Chemical Engineering</i> , (2019), 7: 103348.
P110	Misson, Gloria, Mainardis, Matia, Incerti, Guido, <b>D. Goi</b> , Peressotti, Alessandro (2020). Preliminary evaluation of potential methane production from anaerobic digestion of beach-cast seagrass wrack: the case study of high-Adriatic coast. <i>Journal of Cleaner Production</i> , ISSN: 0959-6526, doi: 10.1016/j.jclepro.2020.120131
P111	Hussain S., Aneggi E., Briguglio S., Mattiussi M., Gelao V., Cabras I., Zorzenon L., Trovarelli A., <b>Goi D.</b> (2020). Enhanced ibuprofen removal by heterogeneous-Fenton process over Cu/ZrO <sub>2</sub> and Fe/ZrO <sub>2</sub> catalysts. <i>Journal of Environmental Chemical Engineering</i> , vol. 8, ISSN: 2213-3437, doi: 10.1016/j.jece.2019.103586
P112	M. Matia, M. Buttazzoni, N. De Bortoli, M. Mion, <b>D. Goi</b> , (2020), "Evaluation of ozonation applicability to pulp and paper streams for a sustainable wastewater treatment", <i>Journal of cleaner production</i> , ISSN:0959-6526, DOI:10.1016/j.jclepro.2020.120781.
P113	R. Perin, M. Trigatti, M. Nicolini, M. Campolo, <b>D. Goi</b> , (2020), "Automated calibration of the EPA-SWMM model for a small suburban catchment using PEST: a case study" <i>Env. Monit. Assess.</i> , 192, DOI: 10.1007/s10661-020-08338-7.
P114	M. Mainardis, M. Buttazzoni, <b>D. Goi</b> , (2020) "Up-flow Anaerobic Sludge Blanket (UASB) technology for energy recovery: A review on state-of the art and recent technological advances", <i>Bioengineering</i> , 7, 43.
P115	A. Khakbaz, M. De Nobili, M. Mainardis, M. Contin, E. Aneggi, M. Mattiussi, I. Cabras, M. Busut, <b>D. Goi</b> , "Monitoring of heavy metals, EOX and LAS in sewage sludge for agricultural use: a case study" <i>DETRITUS - Multidisciplinary Journal for Waste Resources &amp; Residues</i> , 2020, 12, pp. 160–168.
P116	Cottes, M., Mainardis, M., <b>Goi, D.</b> , Simeoni, P., Demand-response application in wastewater treatment plants using compressed air storage system: A modelling approach, <i>Energies</i> , 2020, 13(18), 4780.
P117	Rossi G., Mainardis M., Aneggi E., Weavers L.K., <b>D. Goi</b> , "Combined ultrasound-ozone treatment for reutilisation of primary effluent – a preliminary study", <i>Environmental Science and Pollution Research</i> , 2021, 28(1), pp. 700–710.
P118	Misson, G., Mainardis, M., Marroni, F., Peressotti, A., <b>Goi, D.</b> , "Environmental methane emissions from seagrass wrack and evaluation of salinity effect on microbial community composition", <i>J. of Cleaner Prod.</i> , 2021, 285, 125426.
P119	da Borso F., Chiumenti A., Fait G., Mainardis M., <b>Goi D.</b> (2021). "Biogas potential of sludges from a brackish water fish hatchery", <i>Applied Biosciences and Bioengineering</i> , applsbi-1048567.
P120	Hussain S., Aneggi E., <b>Goi D.</b> (2021). "Catalytic activity of metals in heterogeneous Fenton-like oxidation of wastewater contaminants: a review", <i>Environmental Chemistry Letters</i> , <a href="https://doi.org/10.1007/s10311-021-01185-z">https://doi.org/10.1007/s10311-021-01185-z</a>
P121	Mainardis M., Buttazzoni M., Cottes M., Moretti A., <b>D. Goi</b> , <i>Respirometry tests in wastewater treatment: Why and how? A critical review</i> , <i>Science of the Total Environment</i> , 2021, 793, 148607.
P122	Khakbaz, A., Goi, D., Bravo, C., Contin, M., "Thickening and storage of sewage sludge contribute to the degradation of las and eox and the humification of organic matter", <i>Water (Switzerland)</i> , 2021, 13(7), 933.
P123	Mainardis, M., Buttazzoni, M., Gievers, F., Vance C., Magnolo F., Murphy F., <b>Goi D.</b> , "Life cycle assessment of sewage sludge pretreatment for biogas production: From laboratory tests to full-scale applicability", <i>Journal of Cleaner Production</i> , 2021, 322, 129056.
P124	Mainardis, M., Magnolo, F., Ferrara, C., Vance C., Misson G., De Feo G., Speelman S., Murphy, F., <b>Goi, D.</b> , "Alternative seagrass wrack management practices in the circular bioeconomy framework: A life cycle assessment approach", <i>Science of the Total Environment</i> , 2021, 798, 149283.
P125	Hussain, S., Aneggi, E., Maschio, S., Contin, M., <b>Goi, D.</b> , "Steel Scale Waste as a Heterogeneous Fenton-like Catalyst for the Treatment of Landfill Leachate", <i>Indust. &amp; Engineering Chemistry Research</i> , 2021, 60(31), pp. 11715–11724.
	→ From P126 to present please follow: <a href="https://www.scopus.com/">https://www.scopus.com/</a> ; <a href="https://www.webofscience.com/">https://www.webofscience.com/</a> ; et al.

Udine (ITALY), 05/01/2023

Signature  
Prof. Eng. Daniele Goi PhD

