

Curriculum Vitae



Personal information

First name / Surname

Andrea Gianico

Telephones

+39 3497571347 (mobile)

E-mail

gianico@irsa.cnr.it

Nationality

Italian

Date of birth

06-september-1978

Gender

Male

Desired employment / Occupational field

Environmental engineering, wastes, wastewaters and sludge processes.

Work experience

Dates

From 18/09/2006 to now – current position

Occupation or position held

Researcher

Main activities and responsibilities

Innovative treatments on sewage sludge and food wastes – anaerobic digestion

Name and address of employer

IRSA-CNR (WaterResearch Institute of Rome), Area della Ricerca di Roma 1,
via Salaria km 29,3 - 00015 Monterotondo (Roma)

Type of business or sector

Research and Development

Education and training

Dates

From 1998 to 2005

Title of qualification awarded

Environmental Engineer

Principal subjects/occupational skills
covered

Hydraulics; domestic and industrial wastewater treatment, reuse and disposal; municipal and industrial
sludge treatments, solid waste treatment and management. Agro-food waste management.

Name and type of organisation
providing education and training

“la Sapienza” University of Rome

Level in national or international
classification

105/110

Personal skills and competences	Mother tongue	Italian									
	Other languages										
	Self-assessment	Understanding				Speaking				Writing	
	European level (*)	Listening		Reading		Spoken interaction		Spoken production			
	English	B1	Good	C2	Very good	B2	Good	B2	Good	C2	Very good
	Spanish	C1	Very good	C1	Very good	B1	Good	B1	Good	A2	Sufficient
	Portuguese	C2	Excellent	C1	Very good	C1	Very Good	C1	Very Good	A2	Sufficient
(*) Common European Framework of Reference for Languages											
Computer skills and competences		Windows: Excellent skill Office (Word, Excel, Power point, etc): Excellent skill Adobe Acrobat, Adobe Photoshop: Excellent skill Internet and email: Excellent skill									
Driving licence		Clean driving licence									

Publications - Journals:

P1) Braguglia C.M.; Mininni G.; **Gianico A.** (2008). “Is sonication effective to improve biogas production and solids reduction in excess sludge digestion?”. *Water Science & Technology – WST* Vol.57 n°4 pagg. 479-483. [cited by: 7 – source: Google scholar].

P2) Braguglia C.M.; **Gianico A.**; Mininni G. (2009). “Effect of ultrasound on particle surface charge and filterability during sludge anaerobic digestion”. *Water Science & Technology – WST* Vol.60 n°8 pagg. 2025-33. [ted by: 1 – source: Google scholar]

P3) Braguglia C.M.; **Gianico A.**; Mininni G. (2009). “Comparison between chemical and mechanical disintegration on sludge anaerobic digestion performance”. *Journal of Environmental Management*; special issue: 3IMEBE - Manuscript Number: JEMA-D-09-01357R2.

P4) Braguglia C.M.; **Gianico A.**; Mininni G. (2011). “Laboratory-scale ultrasound pre-treated digestion of sludge: Heat and energy balance”. *Bioresource Technology* 102, 7567–7573

Publications – Conference proceedings:

C1) Mininni G.; Braguglia C.M.; **Gianico A.**; (2007). “Assessment of energetic balance of anaerobic digestion of sonicated secondary sewage sludge.” Proceedings of IWA specialist conference “Facing sludge diversities: Challenges, Risks and Opportunities”; pagg. 937-941. ISBN: 978-975-441-238-3. Antalya (Turkey) 28-30 march 2007.

C2) Braguglia C.M.; Mininni G.; **Gianico A.** (2007) “Is sonication effective to improve biogas production and solids reduction in excess sludge digestion?” Proceedings of IWA specialist conference: “Moving forwards wastewater biosolids sustainability”; pagg. 699-704. Moncton, New Brunswick, Canada 24-27 June 2007.

C3) Braguglia C.M.; Mininni G.; **Gianico A.** (2008). “Comparison between chemical and mechanical disintegration on sludge anaerobic digestion performance”. Proceedings of the third international meeting on environmental biotechnology and engineering (3IMEBE); pag. 47. Palma de Mallorca, Spain. 21-25 September 2008. (oral presentation).

C4) Braguglia C.M.; **Gianico A.**; Mininni G. (2008). “Effect of ultrasound on particle surface charge and filterability during sludge anaerobic digestion”. Proceedings of IX Latin American Workshop and Symposium on Anaerobic Digestion; pagg. 237-245. Pucv Chile, Easter Island, Chile. 18-19 October 2008.

C5) Mininni G., Braguglia C.M., Mascolo G., **Gianico A.** (2009). “Sustainable sewage sludge management based on separate processing of primary and secondary sludge”. 14th European Biosolids and Organic Resources Conference and Exhibition – Leeds, UK. 9-11 November 2009.

C6) Mininni G., Braguglia C.M., **Gianico A.**, Gallipoli A., (2010), “Energy Balance in a Novel Approach to Sludge Processing”, Proceedings of ISWA Conference “Residuals and Biosolids 2010: Leveraging in the Energy-Climate Era”, Savannah (USA), 26 May 2010 - pp. 543-559 (full paper).

C7) Braguglia C.M., Gallipoli A., **Gianico A.**, Mininni G., (2011), “An innovative technique to decontaminate activated sludge increasing anaerobic digestion performance”, Proceedings of the International Conference on Solid Waste 2011- Moving Towards Sustainable Resource Management, Hong Kong SAR, P.R. China, 2 – 6 May 2011, pp. 590-594.

C8) Mininni G., Braguglia C.M., Mascolo G., **Gianico A.**, “Incinerability tests on different kinds of sewage sludge”, Proceedings of the International Conference on Solid Waste 2011- Moving Towards Sustainable Resource Management, Hong Kong SAR, P.R. China, 2 – 6 May 2011, p. 611.

C9) **Gianico A.**, Gallipoli A., Braguglia C.M., Mininni G.; “State of the art and perspectives of ultrasound application for sewage sludge processing”. Proceedings of: The 11° IWA Specialised Conference on Design, Operation and Economics of Large Wastewater Treatment Plants. 4-8 September 2011, Budapest, Hungary.