

EUROPEAN  
CURRICULUM VITAE  
FORMAT



---

PERSONAL INFORMATION

Name

**VITO DARIO COLUCCI**

E-mail

**dario.colucci@feem.it**

E-mail

**vdcolucci@gmail.com**

Nationality

Italian

---

WORK EXPERIENCE

• Dates (from – to)

• Name and address of employer

• Type of business or sector

• Type of employment

• Main activities and responsibilities

MARCH 2011 – TODAY

FEEM – Fondazione Eni Enrico Mattei

Incubatore d'impresa Val D'Agri - Area Industriale Alta Val D'Agri di Viggiano

C/da Cembrina - 85059 Viggiano (PZ) - Italy

Nonpartisan research institution devoted to the study of sustainable development and global governance

Researcher

- Analysis and data collection for monitoring the ecological status of the Pertusillo lake in Basilicata Region (Italy)
- Research and support in the context of: environmental monitoring plans, environmental impacts of oil extraction, first treatment of the extracted hydrocarbons, seismicity induced by processes of injection of fluids in the subsurface
- Teaching activities and support to the project "Learning Week" addressed to the high school regarding the path of energy in Val d'Agri (Basilicata Region)
- Collaboration in the project "A.C.I.P.P.P. – Assistente Capo Impianto di Perforazione e Produzione Petrolifera" (Assistant Chief of Plant Drilling and Oil Production) financed by the Italian Ministry of Labour. Teacher for a group of 10 graduates from Argentina, with specialized training seminars related to: environmental monitoring, environmental issues related to energy production, renewable energy.

• Dates (from – to)

• Name and address of employer

• Type of business or sector

• Type of employment

• Main activities and responsibilities

SEPTEMBER 28, 2012 – DECEMBER 20, 2012

University of Basilicata

viale dell'Ateneo Lucano n. 10, 85100 Potenza - Italy

Department of Engineering and Physics of the Environment

Research activities in the research project PRIN (Research Projects of National Interest, Italian Ministry of Education, University and Research)

Assessing the balances of production and absorption of CO<sub>2</sub> in the application of advanced schemes of treatment for agriculture reuse of wastewater: support modeling and experimental activities at the site of Ferrandina (MT) - Italy

• Dates (from – to)

• Name and address of employer

• Type of business or sector

• Type of employment

• Main activities and responsibilities

2006 – 2013

I.P.S.I.A.M. Monopoli (BA), I.I.S.S. Santeramo in colle (BA), I.I.S.S. V. S. Longo Monopoli (BA), I.I.S.S. A. Agherbino sede di Putignano (BA), I.I.S.S. A. Agherbino sede di Noci (BA), E.N.A.I.P. Monopoli (BA) - Italy

Professional Institute, Institute of Higher Secondary Education, ACLI National Agency for Professional Education

Collaboration in Regional Operational Program (P.O.R.) of Apulia Region (Italy)

Teacher (External expert)

Over 580 hours of teaching in 31 professionalizing training courses on various issues, such as: Energy and environmental impact; Alternative energy sources; Design of photovoltaic plants

connected to the network; Design of wind farms; Energy transformations, jobs, primary sources, environment and technology; Environment and Sustainable Development; electromagnetic compatibility; Safety at work; Materials Technology; Electrical Safety.

- Date (from – to) FEBRUARY 2004 – JUNE 2004
- Name and address of employer FERA s.r.l. (Fabbrica Energie Rinnovabili Alternative)  
Piazza Cavour, 20121 Milano - Italy
- Type of business or sector Engineering company for the design of systems powered by renewable energy
- Type of employment Collaboration (for carrying out thesis degree)
- Main activities and responsibilities Feasibility Analysis, preliminary design and environmental impact assessment of wind farms.  
Referent: eng. Andrea Bartolazzi

## EDUCATION AND TRAINING

- Date SEPTEMBER 25 - 27, 2013
- Name and type of organisation providing education and training Labelab - Waste Water Energy Engineering  
Ravenna - "*Fare i conti con l'ambiente 2013*"
- Training course High School Education on the remediation of contaminated sites: Characterization, risk analysis and sustainable technologies  
Organized by: Labelab, Università Tor Vergata di Roma, RemTech, ReConNet, SGM Ingegneria (Ferrara).
- Date 2011-2012
- Name and type of organisation providing education and training University of Basilicata  
viale dell'Ateneo Lucano n. 10, 85100 Potenza
- Training course Subject Expert - Sector ICAR -03  
Environmental impact assessment, Management and plant of municipal solid waste, Processes for water treatment, Project and management of water treatment plant.
- Date FEBRUARY 23, 2012
- Name and type of organisation providing education and training University of Basilicata  
viale dell'Ateneo Lucano n. 10, 85100 Potenza
- Title of qualification awarded PhD
- Curriculum Methods and Technologies for Environmental Monitoring, XXIV cycle
- Degree mark Very excellent
- Title of the thesis Monitoring and evaluation of environmental impact of innovative treatment of urban wastewater, through the use of simplified plants, for the irrigation reuse in the biomass energy crops.  
[http://www.gitisa.it/wp/wp-content/uploads/tesi/2012/03-Tesi\\_Vito\\_Dario\\_Colucci.pdf](http://www.gitisa.it/wp/wp-content/uploads/tesi/2012/03-Tesi_Vito_Dario_Colucci.pdf)
- Referents Dr. eng. Donatella Caniani; Dr. Livio Chiarullo
- Activities carried out during the PhD Mathematical modelling of processes for the treatment and reuse of urban wastewater; Process modelling emitters of GHG, associated with the treatment of wastewater (CO<sub>2</sub> balance); Experimental research activities for the remediation and restoration of a contaminated site (landfill) site in Lavello (PZ); Laboratory analysis of waste, soil, water and sludge of water treatment (leaching test, mineralization and biological stability); Research activities: treatment and reuse of wastewater, monitoring of soils irrigated with wastewater; monitoring of emerging contaminants; remediation of contaminated sites; environmental monitoring; environmental impact assessment; management, treatment and recovery of waste; biomonitoring, LCA. Teacher in Training seminars on techniques for treatment and reuse of wastewater. Author of 11 publications in international conferences, international journals and memoirs. Correlator in degree thesis about: modeling of systems for the treatment of wastewater, techniques for wastewater treatment; wastewater reuse; budgets agronomic.
- Date 2008 – SESSION I
- Name and type of organisation providing education and training University of Basilicata  
viale dell'Ateneo Lucano n. 10, 85100 Potenza
- Title of qualification awarded Qualification to the profession of engineer – section A - civil and environmental

- Date APRIL 23, 2008
- Name and type of organisation providing education and training University of Basilicata  
Viale dell'Ateneo Lucano, 85100 Potenza
- Title of qualification awarded Specialist degree in environmental and territory engineering (class 38/S)
  - Curriculum Environmental protection and pollution control
  - Degree mark 110/110
- Title of the thesis The reuse of urban wastewater: technological and economic aspects of the disinfection step
- Referents Prof. eng. Salvatore Masi; Dott. eng. Donatella Caniani

- Date JULY 26, 2004
- Name and type of organisation providing education and training University of Basilicata  
Via Lazazzera, 75010 Matera
- Title of qualification awarded Degree in environmental and territory engineering
  - Curriculum Energy
  - Degree mark 101/110
- Title of the thesis Wind power plants for the sustainable production of electricity in Basilicata
- Referents Dott. eng. Marco Bronzini; prof. eng. Nicola Cardinale; eng. Andrea Bartolazzi

- Date SCHOLASTIC YEARS 1999/2000
- Name and type of organisation providing education and training I.T.I.S. "L. Dell'Erba"  
Via della resistenza, 70013 Castellana Grotte (BA)
- Title of qualification awarded High School Diploma industrial technical chief
  - Curriculum Computer science
  - Vote 86/100

**PERSONAL SKILLS AND COMPETENCES**

---

**MOTHER TONGUE**

ITALIAN

**OTHER LANGUAGES**

- Reading skills
- Writing skills
- Verbal skills

ENGLISH	FRENCH
good	elementary
good	elementary
good	elementary

**SKILLS AND COMPETENCES**

Good attitudes to work in groups, also multicultural, and the communication and transmission of knowledge and information

**ORGANIZATIONAL SKILLS**

Good attitude of the logistical and coordination of working groups

**TECHNICAL SKILLS**

Excellent knowledge of O. S. Microsoft XP, Vista, 7, 8; package Microsoft Office, Simulink code  
Good knowledge of Matlab, computer and computer networks  
Sufficient knowledge of Autocad, Arcgis, HecRas, ROME

**MEMBERSHIPS**

- Order of Engineers of the Province of Bari - section A - civil and environmental, since February 2009
- AIAT - Association of Environmental and Planning Engineers, since November 2014

1. D. Caniani, V. D. Colucci, I.M. Mancini, S. Masi. *Fertigation of energy crops with urban wastewater: a model for the GHG emission monitoring for treatment schemes with selective removal*, 19<sup>th</sup> European Biomass Conference, Berlin – Germany, 6-10 June 2011. ISBN 978-88-89407-55-4. DOI: 10.5071/19thEUBCE2011-VP1.3.34 – PP 659-668.
2. Mancini I. M., Masi S., Caniani D., Colucci V. D., Chiarullo L., Chiola S., Labella A. *Wastewater reuse for energy crops irrigation: CO2 balance in simplified treatment schemes*. SIDISA 2012 – Tecnologie Sostenibili per la Tutela dell'Ambiente. Milano, June 26–29, 2012. ID 1138, pag. 100. ISBN 978-88-903557-1-4.
3. D. Caniani, V. D. Colucci, I.M. Mancini, S. Masi. *Wastewater reuse for Energy crops irrigation: CO2 balance in treatment schemes for controlled removal*. VI International Symposium – EWRA 2011, Water Engineering and Management in a Changing Environment, June 29 – July 2, 2011, Catania, Italy. ISSN 2038-5854 (Abstract).
4. D. Caniani, V. D. Colucci, I.M. Mancini, S. Masi, *Sustainability of wastewater reuse for energy crops irrigation: treatment schemes for controlled removal*, CEST2011 12th International Conference on Environmental Science and Technology 8 - 10 September 2011, Rhodes island, Greece. ISBN 978-960-7475-49-7 – PP 262-269.
5. I.M. Mancini, S. Masi, E. Trulli, D. Caniani, V. D. Colucci, M. Piscitelli. *Stato Dell'arte Ed Applicazioni Sperimentali Per L'utilizzo Di Acque Reflue Trattate In Agricoltura*, Progetto Ri.f.a.re. ARPA Puglia, Regione Puglia, ACLI Terre, Università della Basilicata – Ediz. Adda, Italy, ISBN 9788880829218 - PP 129-173.
6. S. Masi, V. D. Colucci. *Simplified treatment system for reuse of wastewater in agriculture and forestry: Ten years of irrigation results on a Olive tree culture in southern Italy*, FAO international Workshop: Forest restoration in Algeria, Egypt, Morocco and Tunisia using treated waste water to sustain smallholders and farmers livelihood, (Project GCP/INT/059/ITA – Planted Forests and Trees Working Papers), Hammamet - Tunisia 16-17 october 2010 (<http://www.fao.org/forestry/66627/en/geo/>) – PP 109-132.
7. D. Caniani, V. D. Colucci, I.M. Mancini, S. Masi, *Innovative schemes for controlled removal of nutrients for urban wastewater agricultural reuse*, 12th International Conference on Urban Drainage, Porto Alegre – Brazil, September 10-16, 2011 – Paper PAP005260 (<http://web.sbe.hw.ac.uk/staffprofiles/bdgsa/temp/12th%20ICUD/PDF/PAP005260.pdf>).
8. D. Caniani, V. D. Colucci, I.M. Mancini, S. Masi, *An innovative and simplified treatment scheme for wastewater reuse in energy crops irrigation*, 15th International Water Technology Conference, Alexandria – EGYPT, 28 – 30 may, 2011 – Paper G56-WT18-WW05.
9. V. D. Colucci, *Trattamenti innovativi per la depurazione di reflui urbani attraverso l'impiego di schemi semplificati per il riutilizzo irriguo nella filiera energetica delle biomasse*, Energy Think - Conferenza internazionale sulle bioenergie, Lecce, march 18, 2010 (<http://www.energythink.it/it/bioenergie.html>).
10. D. Caniani, V. D. Colucci, I.M. Mancini, S. Masi, F. Saluzzi. *Mathematical models for sedimentation tank: influence on the ASM1 model*. Water Science and Technologies (Submitted).
11. D. Caniani, V. D. Colucci, M. Iamarino, I.M. Mancini, S. Masi. *Alternative approaches for the evaluation of total CO<sub>2</sub> emissions from wastewater treatment plants*. Water Science and Technologies (Submitted).
12. Caniani D., Chiola S., Colucci V. D., Masi S., *Monitoraggio dei contaminanti emergenti in oliveti irrigati per 10 anni con acque reflue urbane trattate con schemi semplificati* (Submitted).
13. Caniani D., Colucci V. D., Corrado A., Mancini M. I., Masi S., *Estimate of CO<sub>2</sub> emissions from biological process of wwtp: integration between the asm1 model and the method of half reactions* (Submitted).

## DECLARATION

*I authorize my personal data treatment according to the D.lgs. 196/2003.*

*Viggiano, November 10, 2014*

*ing. Colucci Vito Dario*