



curriculum vitae

Personal Information

SURNAME/NAME

Giacobbe Braccio

ADDRESS

Telephone

E-mail

Pec

Nationality

Professional Experience

Date

01/07/2015 – to 30/04/2024

Position occupied

Enea- Head, Division of Bioenergy, Biorefinery and Green Chemistry

Main job and responsibilities

Head of Division of Bioenergy, Biorefinery and Green Chemistry with a staff of about 70 employees, distributed in the centre of Trisaia and Casaccia. with activities that cover different issues related to the multidisciplinary nature of biomass sector. In particular, the development of thermochemical processes in relation to the energy use of biomass and waste, through experimental plants, laboratories and calculation codes, aimed at the production of thermal, electric, bio-methane and synthetic biofuels; research activities in the biomass production sector and in the conversion into biofuels and bio-based products through the splitting of biomass and chemical and biotechnological processes, projecting their development towards biorefineries; carries out research activities aimed at increasing the productivity and economic profitability of agricultural production linked to biorefineries; applies advanced methods of biochemistry and molecular biology for fundamental research, industrial and experimental development aimed at supporting the agro-energy and agro-industrial system; develops genomics and proteomics methods to optimize the selection, breeding and processing of biomass for the production of biofuels

Date

20/04/2010 – to 30/06/2015

Position occupied

Head, of Technical Trisaia Unit

Main job and responsibilities

With a staff of about 120 employees (as well as grant holders and scholarship holders, the activities carried out by the Technical Unit are aimed to coordinate the definition and implementation of the technical and scientific activities of C.R. Trisaia in the field of renewable energy sources, chemistry and process technologies, biotechnologies, materials for energy efficiency and energy standards. Furthermore, it carries out research, experimentation and qualification of biomaterials for energy efficiency, in the construction sector and for industrial applications, studying the degradation aspects of biomaterials and components caused by environmental factors.

Collaborates with the public administration and with the industrial system in technological improvement contributes to the definition of the technical regulation of the sector in national and international field on the above mentioned topics.

Name and address of the employer

National Agency for New Technologies, Energy and Sustainable Economic Development (ENEA), Lungotevere Thaon di Revel, 76, Rome

Type and Sector of activities

Research activities and implement agency program to support PA, businesses and citizens

Date

05/15/1997 - 19/04/2010

Job and postoccupied

Head of the ENE-BIO section

Main task and responsibilities

Responsible for the biomass and solar thermal section for the Energy Department consisting of about 45 people with the main mission of developing new biomass conversion technologies in more versatile and efficient energy vectors and technological development of

Name and address of the employer	solar energy for the production of electricity and heat. National Agency for New Technologies, Energy and Sustainable Economic Development (ENEA)
Date	05.05.2007 - 26/03/2010
Job and post occupied	Responsible for BIOS-SL units
Main task and responsibilities	Head of unit consisting involved on the development of low-temperature solar energy and characterization of solar components.
Name and address of the employer	National Agency for New Technologies, Energy and Sustainable Economic Development (ENEA)
Date	01/01/1990- 15/06/1997
Job and postoccupied	Researcher
Main task and responsibilities	Engaged in research activities concerning renewable sources, focused in particular on biomass and solar energy. He collaborated on the drafting of the green paper and the white paper on renewable sources, defined by the CIPE in 1999 of national guidelines. Appointment as General Manager of project manager for the construction of a linear parabolic concentration solar plant, LUZ technology, cogeneration power of 3 MWe for the joint production of electricity and desalinated water.
Name and address of the employer	National Agency for New Technologies, Energy and Sustainable Economic Development (ENEA)
Date	From 15/06/1987 to 31/12/1989
Job and post occupied	Researcher
Main task and responsibilities	Activities related to research projects related to nuclear energy concerning fast reactors and nuclear fusion, in particular on safety issues (sodium-water reaction) and on metallurgical subjects such as stress corrosion and oligocyclic fatigue.
Name and address of the employer	National Agency for New Technologies, Energy and Sustainable Economic Development (ENEA),
Education and training	
Date	1985
Certificate or diploma orbatine	DEGREE IN MECHANICAL ENGINEERING.
Name and type of institutionof education ortraining	UNIVERSITY OF BARI - FACULTY OF ENGINEERING- DEGREE THESIS: "ENERGY VALORISATION OF THE GROUNDWATER SOURCE IN HEAT PUMPS THROUGH THE USE OF TWO-PHASE THERMO-PIPE TYPE HEAT PIPES
Date	1986
Professionalqualification	Professional qualification for the profession of engineer - University of Bari
Date	1987
Specialization obtained	Six months University Masters course organized by the University of Bari, for Enabling the Ministry of the Interior list for registration under the 818/85 list of experts in fire prevention for the issue of NOP and CPI.
Date	1989
Training	Corso Safety Manager Enea (durata 6 mesi) per esperti di incidenti rilevanti.
Date	1991
Training	Project Manager Course c/o ENEA (Duration 4 months)
Date	2001-2003-2009-2012
Expertise	Quality training course for the management of accredited laboratories, Organized by ANGQ,

	Sinal, Accredited etc.
Date	1996-2006-2012-2015
Specialization	Enabling security pursuant to 494/93 and 81/08 with subsequent courses of update Università della Basilicata e Ordine degli ingegneri di Matera- Ordine degli ingegneri di Brindisi

Research projects

Responsible and contract person for numerous research projects linked to the biorefinery with official approval from DG, Head of Department and Commissioner, to deal with the delegation and partly responsible for scientific work:

Scientific Publications

- Published about 150 research papers in both national and international scientific journals.
- Co-Author of 10 industrial patents
- Participation in the registration of 8 books
- He has participated as a speaker at about 50 strategic information conferences on renewable sources;
- Co-rapporteur of approximately 30 theses with several Italian universities (Polytech/Univ. di Bari, Cosenza, Potenza, Naples, Rome, Ancona, Torino);
- Member of the board of professors of the Ph.D. in Engineering of the University of Cosenza;
- Member of the board of professors of the Ph.D. in Engineering of the University of Potenza;
- Co- Guide of 10 post-graduate research doctorates in engineering with the Universities of Cosenza and Potenza;

OTHER RELEVANT POSITIOS OCCUPIED

- Lecturer from 2008-2010 to the Post-graduate Master's degree on renewable sources RIDEF organized annually by the Polytechnic of Milan;
- Lecturer at post-graduate Master on renewable sources organized annually by the University of Camerino
- Tutors of 10 international annual research grants (China, India, Pakistan, Ethiopia, Russia, Nigeria) within the ICTP TRIL
- Alternate Member for the Executive Committee, IEA task group on Bioenergy <http://www.ieabioenergy.com>
- national representative in the European TC 312 Technical Institute (CEN) for the 3 tasks concerning solar collectors; factory made solar systems and custom built solar systems, etc.
- National Reference of the EERA Joint Bioenergy Program (European, Energy, Research Alliance)
- Coordinator of the technical table of renewable sources of the XVII Russian Talo Ministerial Task Force 2010
- Since 2000 responsible for ENEA characterization laboratory, first in Italy accredited SINAL (currently Accredited) for the qualification of solar collectors (EN 12975) and factory made solar systems (EN12976).
- Participates and member of numerous national and international scientific institutions and organizations (ATI, CTI, ISES, IEA etc):
- Expert of the Ministry of the Environment in the evaluation of projects in Calls for financing of solar technologies;
- Appointment of expert in the evaluation of projects on renewable sources in Bandi financed by the Campania Region
- From 2003 to 2009 member of the CDA of the Train Consortium
- Since 2010 member of the Board of the DITNE (Technological District of Renewable Energies)
- Auditor of several national and international magazines,

Languages

Mother Tongue

Italian

Others

Self grading

European level()*

English

Overall		Speaking		Writing
Listening	Reading	Conversation	Oral	Writing
Good	Good	Good	Good	Good

Social skills and competences	Good team spirit and good communication skills acquired in the professional field
Organizational skills	The relational skills derive from the many years of work experience and from the coordination of composite research groups from ENEA and staff members of project partners from the academic world and industrial sectors associated with ENEA. The participation in scientific associations has further allowed to refine the relational skills and the development of communication skills also outside the purely thematic environment of their own competence.
Computer skills and competences	Good knowledge of programs Office (Word, Excel, PowerPoint, etc.) and engineering aspects

I authorize the processing of my personal data pursuant to Legislative Decree 30 June 2003, n. 196 "Code regarding the protection of personal data".

Oria (BR) 10/07/2024

Signature