

CURRICULUM VITAE (September 2019)

IDENTIFICATION:

Name: Laurindo Viegas.

Date and place of birth: August 28, 1959. Banza Nsundi – Bembe. Province of Uíge. Republic of Angola.

Father: António José Beirão.

Mother: Madalena Ngangula.

Gender: Male.

Marital status: Married.

Nationality: Angolan.

WORK ADDRESS:

University of Agostinho Neto. Faculty of Engineering. Department of Chemical Engineering. P.O.Box: 1756. Luanda – Angola.

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EDUCATION:

- ✓ Ph.D. in Chemical Engineering, University of Napoli "Federico II", Italy, 1998.
- ✓ Bachelor's degree in Chemical Engineering, University of Agostinho Neto, Angola, 1988.

OTHER FORMATIONS:

- ✓ Statement of attendance of the seminar "EVALUATION OF LEARNING" promoted by the State Secretariat for higher Education, Luanda, Angola, June 16 to 19, 2008.
- ✓ Frequency statement of the seminar "EVALUATION OF HIGHER EDUCATION INSTITUTIONS" promoted by the State Secretariat for higher Education, Luanda, Angola, June 9 to 13, 2008.
- ✓ Certificate of participation in the course of "*L'ASSURANCE QUALITÉ EXTERNE DANS L'ENSEIGNEMENT SUPÉRIEUR*", regional education course distance from the International Institute of Education Planning (IIPÉ) of the United Nations Educational, Scientific and Culture (UNESCO), 07 January to 11 April 2008;
- ✓ Diploma in PEDAGOGICAL AGGREGATION, University of Agostinho Neto, Luanda, Angola, 2006;

- ✓ Diploma in UNIVERSITY MANAGEMENT WITH EMPHASIS IN CURRICULAR MANAGEMENT, University of Pinar del Rio "*Hermanos Saíz Montes de Oca*", Cuba, 2004.

HONORABLE MENTIONS:

- ✓ Directorate of the Faculty of Engineering, University of Agostinho Neto, Luanda, Angola, 2013.
- ✓ Pedagogical aggregation course, Agostinho Neto University, Luanda, Angola, 2006. University Senate of Agostinho Neto, Luanda, Angola, 2006.

ACKNOWLEDGEMENT:

- ✓ Senate of the University of Agostinho Neto, Luanda, Angola, 2010. Assembly of the Faculty of Engineering, University of Agostinho Neto, Luanda, Angola, 2010.

DIPLOMA OF MERIT:

- ✓ Association of Engineering Students (A.E. E) of the Faculty of Engineering, University of Agostinho Neto, Luanda, Angola, 2010.

CURRENT OCCUPATIONS:

- ✓ Lecturer (in the category of Associate Professor) of the Department of Chemical Engineering of the Faculty of Engineering of University of Agostinho Neto lecturing the disciplines of introduction to Chemical Processes and Operational Research (since January 1988);
- ✓ Senior member of the "Laboratory of separation engineering, chemical reaction and environment (LESRA)" of the UNITWIN chair of UNESCO of the Faculty of Engineering of the university Agostinho Neto, (since October 1999);
- ✓ Senior member of the Angolan Order of Engineers (since July 1999);
- ✓ Substitute for the focal point of the Ministry of Higher Education, science, technology and Innovation of the Republic of Angola for the creation of technological University poles of Excellence (PETU) in Central Africa, (since June 2016)

PREVIOUS OCCUPATIONS:

- ✓ Professor of Nature Sciences in the School of basic education of the SECOND level Alda Lara, Luanda, Angola, (1979 – 1987);
- ✓ Head of the Department of Academic Affairs, Faculty of Engineering, Agostinho Neto University, Luanda, Angola, (July 1999 to 2008);

- ✓ Member of the professional affairs of the College of Chemical Engineering of the Order of Engineers of Angola (March 2000 to 2014);
- ✓ Vice-Dean for the academic Affairs of the Faculty of Engineering, Agostinho Neto University, Luanda, Angola, (from 6 March 2002 to 30 July 2010).

SCIENTIFIC WORKS.

- ✓ Romano, M., Allouis, C., Viegas, L., Beretta, F., Imparato, M., Noviello, C.: "Combustion of Rapeseed Oil and its blends with Alcohol.", Frantic (Friendly Related Appointments, National and/or Transnational and/or International Congress) '97, II-1.1- II-1.4, 1997.
- ✓ Allouis, C., Romano, M., Beretta, F., Viegas, L., D'Alessio, A.: "Particulate Formation from the Spray Combustion of Heavy Oil and Biofuel.", Fifth International Congress on Toxic Combustion Byproducts, Dayton, OH (U.S.A.), June 25-27, 1997.
- ✓ Allouis, C., Romano, M., Beretta, F., Viegas, L., D'Alessio, A.: "Particulate Formation from the Spray Combustion of Heavy Oil and Biofuel.", Comb. Sci. and Tech., 134:457-476, 1998.
- ✓ Viegas, L.: "Formazione e distruzione di idrocarburi policiclici aromatici e particolato carbonioso in Fiamme turbolente di spray di gasolio, Olio vegetale ed Olio combustibile", PhD thesis in chemical Engineering, x ° Ciclo, University of Napoli " Federico II ", Italy, 1998.
- ✓ Viegas, L., Gonçalves, J & Tatiana, M.: "Air quality assessment in room 14 of the separation Engineering Laboratory, chemical reaction and environment (LESRA) in terms of PM_{2,5}", 3rd National Conference on Science and Technology., Luanda, Angola, 11 – 13 September 2013.
- ✓ Gonçalves, J, Leitão, A. & Viegas, L.,: "Measurement of metals in atmospheric particles.", 3rd National Conference on Science and Technology, Luanda, Angola, 11 – 13 September 2013.
- ✓ Buta, S. A., Ferraz, M. C. A., Viegas, L. "Influence of traffic in the air quality of Luanda, 4th National Conference on Science and Technology., Luanda, Angola, 09 – 11 September 2015.

- ✓ Makonga, Viegas, L., A., Ferraz, M. C. A., "Design of a network for monitoring the quality of air for the municipality of Uige", 1st Conference of Engineering and Architecture of the Faculty of Engineering – CEAFE, Luanda, Angola, October 25 to 27, 2016.
- ✓ Viegas , L., Gonçalves, J., Tatiana, M.: "Measurement of PM_{2,5} throughout the day in a laboratory in Luanda/Angola", scientific conference of the University Agostinho Neto 2017, Luanda, Angola, 27 to 29 September 2017.
- ✓ Viegas, L., Gonçalves, J., Tatiana, M.: "Evaluation of the levels of particulate matter in library, Chemistry laboratory, reprographics and classroom.", 2nd Conference of Engineering and Architecture of the Faculty of Engineering – CEAFE, Luanda, Angola, 24 to 26 October 2018.

ORIENTATION OF SCIENTIFIC STUDIES:

END-OF-COURSE WORK (GRADUATION):

- ✓ Serafina das Dores Pereira Alexandre Neto: "Determination of moisture content, volatile material and heavy metals in atmospheric particulate matter of some points in the city of Luanda by atmospheric deposition. ", end-of-course work for obtaining the degree of graduate in chemical engineering, Luanda, December 2007.
- ✓ Mbunga Paulo: "Evaluation of atmospheric particulate matter in some classrooms of the chemical Engineering Department of the Faculty of Engineering of the university Agostinho Neto through the air conditioners.", End of course work for obtaining the degree of Bachelor in Chemical Engineering, Luanda, December 2012.
- ✓ Mayimona Kisika Tatiana: "Evaluation of atmospheric particulate matter of diameter less than or equal to 2.5 μm (PM_{2,5}) of room 14 of the separation Engineering Laboratory, chemical reaction and environment (LESRA)." End of course work for obtaining the degree of graduate in chemical Engineering, Luanda, October 2013.
- ✓ Fernando Barros: "Evaluation of atmospheric particulate matter in the classroom, laboratory, library and copy room of the Faculty of Engineering of the university Agostinho Neto by means of air conditioning appliances", end-of-course work for Obtaining the degree of graduate in chemical Engineering, Luanda, December 2015.

- ✓ Dinamene Tariana Filipe da Costa: "The air conditioner as a sampler of particulate matter in indoor environments", end of course work for obtaining the degree of graduate in chemical Engineering, Luanda, December 2018.

DISSERTATIONS (POST-GRADUATION):

- ✓ Co-Orientation (Scientific Advisor: Professor Anabela Alexandre Leitão, Co – Scientific Advisors: Professor Doctor Laurindo Viegas and Professor Conceição Alvim Ferraz):
 - Josefa de Sousa Will Gonçalves (chemical engineer): "Evaluation of air pollution by lead and other particulates metals.", dissertation for obtaining the Master degree in Environmental Engineering, Luanda, 2010.
- ✓ Co-orienting (scientific Advisor: Professor Conceição Alvim Ferraz (University of Porto/Portugal), Co – scientific adviser: Professor Doctor Laurindo Viegas (Agostinho Neto University/Angola):
 - Soma Agostinho Buta: "Influence of the Traffic in the air quality of Luanda. ", dissertation for obtaining the Master degree in Environmental Engineering, Luanda, in progress in 2015.
- ✓ Co-orienting (scientific Advisor: Professor Conceição Alvim Ferraz (University of Porto/Portugal), Co – scientific adviser: Professor Doctor Laurindo Viegas (Agostinho Neto University/Angola):
 - Alves Mbunga Makonga: "Project of a Air quality monitoring network for Uíge. ", dissertation for obtaining the Master degree in Environmental Engineering, Luanda, in progress in 2015.

OTHER PUBLICATIONS:

- ✓ "Environmental protection (atmospheric pollution)." Communication presented at the 1st Chemical engineering days, Luanda, Angola, 21/01/2000.
- ✓ "Informative notes on polycyclic aromatic hydrocarbons." Communication presented at the 2nd Days of chemical engineering, Luanda, Angola, 22-23/01/2001
- ✓ "Combustion and atmospheric pollution." Communication presented at the technical and scientific days of engineering and architecture, Luanda, Angola; 7-9/11/2002.

- ✓ "Academic balance of the Faculty of Engineering of the university Agostinho Neto in the period 2002 – 2009", communication presented at the baptism ceremony of the freshmen of the Faculty of Engineering of the university Agostinho Neto, Luanda, Angola, June 2009.

ORGANIZING ACTIVITIES:

- ✓ Coordinator of the organizing Committee of the 2nd journeys of chemical engineering, Luanda, Angola, 22-23/01/2001.
- ✓ Member of the Scientific Committee of the 1st Conference of Engineering and Architecture of the Faculty of Engineering – CEAFE, Luanda, Angola, October 25 to 27, 2016.
- ✓ Member of the Scientific Committee of the 2nd Conference of Engineering and Architecture of the Faculty of Engineering – CEAFE, Luanda, Angola, October 24th to 26th, 2018.

PARTICIPATIONS IN SCIENTIFIC ACTIVITIES:

- ✓ First national Seminar on the reformulation of the courses of the Faculty of Engineering of the university of Agostinho Neto, Luanda, Angola, 7 – 11 January 1988. First national scientific research meeting, Luanda, Angola, October 5 – 7, 1988.
- ✓ Third International Meeting on the use of microcomputers in the teaching of science and mathematics in Africa, Addis Ababa, Ethiopia, 21 – 31 January 1989. Eleventh International Conference on Chemistry Education, University of York, York, England, 25 – 30 August 1991.
- ✓ 26th International Symposium on Combustion, Napoli, Italy, 25 – 28 July 1995.
- ✓ 1st meeting of the Preparatory Committee for the Development of a strategic approach to the international management of chemical products. "Preparatory Committee for the Development of a Strategic Approach to International Chemicals Management (SAICM/PRECOM I)", Bangkok – Thailand, 09 – 13 November 2003.
- ✓ XII World Congress of Comparative Education, Palace of the conventions of Havana, Havana, Cuba, 25 – 29 October 2004.

- ✓ 2nd National Conference on Science and Technology, Luanda, Angola, 19 – 20 October 2011.
- ✓ 3rd National Conference on Science and Technology, Luanda, Angola, September 11 – 13, 2013.
- ✓ XX Brazilian Conference of Chemical Engineering, COBEQ 2014, Florianópolis, Santa Catarina, Brazil, 2014.
- ✓ 4th National Conference on Science and Technology, Luanda, Angola, 09 – 11 September 2015.
- ✓ 1st Conference of Engineering and Architecture of the Faculty of Engineering – CEAFE, Luanda, Angola, October 25 to 27, 2016.
- ✓ Workshop of experts on the updating of feasibility study tools for the creation of technological university poles of excellence in Central Africa/exchanges on subregional initiatives and identification of joint axes of Intervention UNESCO-CEEAC, Yaoundé, Cameroon, October 10 to 12, 2017.
- ✓ Scientific conference of the University Agostinho Neto 2017, Luanda, Angola, September 27 to 29, 2017.
- ✓ 13rd International Conference on Chemical and Biological Engineering, CHEMPOR 2018, Aveiro, Portugal, October 2nd to 4th, 2018.
- ✓ 2nd Conference of Engineering and Architecture of the Faculty of Engineering – CEAFE, Luanda, Angola, October 24th to 26th, 2018.

LANGUAGES:

- ✓ Kikongo (understands, speaks, reads and writes well);
- ✓ Portuguese (understands, speaks, reads and writes well);
- ✓ Italian (understands, speaks, reads and writes in an acceptable manner);
- ✓ French (understands, speaks, reads and writes in an acceptable manner);
- ✓ English (understands, speaks, reads and writes in an acceptable manner);
- ✓ Spanish (understands and reads in an acceptable way).