

Alexander Garcia Caycedo

Age: 40

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PROFESSIONAL SUMMARY

Committed and responsible biologist with the ability and training to work in interdisciplinary teams, with judgment and initiative and good communication skills. I am a person with creative, structured thinking and with autonomy and leadership both to give instructions and to follow them with skills to work in different areas such as basic, ecological, and environmental sciences, as well as administrative tasks, my training and professional experience allow me to analyze and solve problems related to research, formulation, administration, and execution of projects. particularly in the areas of Phytochemistry and Applied Plant Biotechnology, recognizing the added value of isolated secondary metabolites, such as pharmaceutical and industrial importance.

EDUCATION

2009 Specialization in biotechnological production of plant
Bogotá-Colombia Servicio de Aprendizaje Nacional. SENA.

2009 Biology
Bogotá-Colombia Pontificia Universidad Javeriana.

2000 High School
Bogotá-Colombia American School

Skills: Word, Excel, Power Point, Html, Css and Tableau

Languages

Español: Native
Inglés: Fluent

EXPERIENCE

2023
Bogotá-Colombia

BIOPHYSICS DEPARTMENT JAVERIANA UNIVERSITY- TEACHING ALFONSO LEYVA

Position Held: Data Analytics.

Responsibilities: Statistical analysis of data in molecular computational simulations.

2021-2022
Bogotá-Colombia

MUROS Y TECHOS

Position Held: Data Analytics.

Responsibilities: Develop data analysis in sales projection.

2017-2020
Lake Mary, FL –
Estados Unidos

MEDPLEX PHARMACY / DOORSTEP XTRA

Position held: Laboratory and research assistant.

Responsibilities: Developing research processes, reviewing, and classifying medications."

2010-2016
Bogotá-Colombia

AFOUR COSMETICS,

Position held: Research and development assistant for next-generation cosmetic products.

Responsibilities: optimization of formulations, microbiological control of products, health regulations and technical regulations of the same.

2008-2010
Bogotá-Colombia

PHYTOCHEMISTRY LABORATORY JAVERIANA UNIVERSITY,

Position held: Group dedicated to the search for natural plant products, evaluating their biological activity with the purpose of qualifying Colombian native species as promising for use in industry, medicine, cosmetics, or nutrition. Tasks or achievements completed: Evaluation of the microbiological activity of fractions of different polarity obtained from the plant species *Anacardium excelsum*. Responsibilities: Take samples of the plant species and their taxonomic identification. Evaluation of the moisture, fat, ash content in fruits, leaves, stems of the species under study. Obtain total extracts of leaves, seeds, fruits, and their liquid-liquid fractionation. Evaluation of the microbiological activity of the total extracts and fractions obtained.

REFERENCES

UDCA
Bogotá-Colombia

Rubén Darío Torrenegra

Position: Full teacher of the Faculty of Sciences, University of Applied Sciences - Research Group Director (PRONAUDCA)

Category: Emeritus Researcher

Phone: 3002150804

E-mail: rtorrenegra@udca.edu.co

UDCA
Bogotá-Colombia

Javeriana
Bogotá-Colombia

CvLAC:

http://scienti.colciencias.gov.co:8081/cvlac/visualizador/generarCurriculoCv.do?cod_rh=0000023698

Alfonso Leyva

Position: Assistant Professor Javeriana University

Research associate

Phone: 3013367717

E-mail: alfonsoleyva@javeriana.edu.co CvLAC:

http://scienti.colciencias.gov.co:8081/cvlac/visualizador/generarCurriculoCv.do?cod_rh=0000285706

Javeriana
Bogotá-Colombia

Crispin Celis

Position: Assistant Professor – Director of the Chemistry Department at Javeriana University

Category: Associate Researcher

Phone 3164966165

E-mail: crispin.celis@javeriana.edu.co

https://scienti.minciencias.gov.co/cvlac/visualizador/generarCurriculoCv.do?cod_rh=0000235580

Javeriana
Bogotá-Colombia

Gonzalo Sequeda

Position: Assistant Professor TC Department of Chemistry Javeriana University

Category: Associate Researcher

Phone: 3006170680

E-mail: lsequeda@javeriana.edu.co

http://scienti.colciencias.gov.co:8081/cvlac/visualizador/generarCurriculoCv.do?cod_rh=0000023698

PERSONAL REFERENCES

Sister
Bogotá-Colombia

Luz Andrea Garcia Caycedo

Occupation: Teacher - researcher

Phone: 3002536063

E-mail: andreagarciacaycedo17@gmail.com

Friend
Bogotá-Colombia

Celso Solano Pachón

Occupation: Architect

Phone: 3132234050

E-mail: ceagsopa@gmail.com

CERTIFICATIONS

TRAININGS

2009-2010
Bogotá-
Colombia

•(CORPODIB): Micropropagation of *Jatropha curcas* under in vitro conditions, for Biofuel Production. Functions: In vitro Plant Biotechnological Production, focused on the manipulation of promising plant species, to increase the productivity of goods and services, presenting a wide field of application that involves important economic and social transformations.

National Service of Learning (SENA) – Corporation for the Industrial Development of Biotechnology and Clean Production.

2017-2018
Lake Mary-
Florida-Estados
Unidos

•Seminole State College: English Study (Lake Mary Florida, ene – nov 2017)

2022
Bogotá-
Colombia

• Ministry of Science, technology, and innovation: Diploma in social appropriation of knowledge of the regional strengthening agreement for CTel.

2022-2023
Bogotá-
Colombia

•CoderHouse: Frontend career with HTML & CSS languages. Programming with Javascript and React Js.

2023-2024
Bogotá-
Colombia

•Coderhouse: Data processing in Excel- Tableau-Data Analyst

•Coderhouse: SQL

PARTICIPATION IN CONFERENCES AND SEMINARS

• III International Congress on process and product design Promising castor and oilseeds. Eafit and Colombian University of Biocombustibles S.A. October 14, 2011, Medellín – Colombia.

• II Seminar on Investment Experiences in science and technology for the Colombian agricultural sector. Ministry of Agriculture and rural development. Directorate of technological development and health protection. October 22/23, 2009 Bogotá-Colombia.

•Documentary Biodeterioration Control with natural extracts. General Archive of the Nation of Colombia. September 14 to 18, 2009. Bogotá-Colombia

2007-2009
Bogotá-
Colombia

- 10th Colombian Congress of Phytochemistry. University of Cauca. Faculty of Natural Sciences, Exact Sciences and Education. Chemistry Department. Chemical Research Group Bioactive Compounds. June 9 to 12, 2009. Popayán- Colombia.

Oral Presentation: Evaluation of the antimicrobial activity of extracts and fractions obtained from the plant species *Anacardium excelsum* against pathogenic microorganisms.

- VIII Congress "Research at the Javeriana University" September 20 to 23, 2005. Bogotá-Colombia.

INVESTIGATION

- Undergraduate thesis to qualify for the title of Biologist. Evaluation of the antimicrobial activity of extracts and fractions obtained from the plant species *Anacardium excelsum* against pathogenic microorganisms. Phytochemistry Laboratory. Department of Chemistry Faculty of Sciences. Javeriana university.

2008-2011
Bogotá-
Colombia

Javeriana University Phytochemistry Laboratory. Group dedicated to the search for natural plant products, evaluating their biological activity with the purpose of qualifying native Colombian species as promising for use in industry, medicine, cosmetics or nutrition. Evaluation of the microbiological activity of fractions of different polarity obtained from the plant species *Anacardium excelsum*. Functions: Take samples of the plant species and their taxonomic identification. Evaluation of the moisture, fat, ash content in fruits, leaves, stems of the species under study. Obtain total extracts of leaves, seeds, fruits, and their liquid-liquid fractionation. Evaluation of the microbiological activity of the total extracts and fractions obtained.

PUBLICATIONS

2008-2010
Bogotá-
Colombia

- Antimicrobial activity of extracts obtained from *Anacardium excelsum* against some pathogenic microorganisms. Phytochemistry Laboratory, Chemistry Department, Pontificia Universidad Javeriana, Cra 7 N 43-82 Bogotá, Colombia Emir. J. Food Agric. 2011. 23 (3): 249-257. <http://ejfa.info/>