



TO MAGNIFICO RETTORE OF UNIVERSITA' DEGLI STUDI DI MILANO

ID CODE 4612

I the undersigned asks to participate in the public selection, for qualifications and examinations, for the awarding of a type B fellowship at **Dipartimento di Scienze Agrarie e Ambientali - Produzione, Territorio, Agroenergia** dell'Università degli Studi di Milano

Scientist- in - charge: Prof. Fabrizio Adani

**Alejandra Palomino Martínez**

## CURRICULUM VITAE

### PERSONAL INFORMATION

Surname	Palomino Martínez
Name	Alejandra
Date of birth	18, 08, 1986

### PRESENT OCCUPATION

Appointment	Structure

### EDUCATION AND TRAINING

Degree	Course of studies	University	year of achievement of the degree
Degree	Chemical Engineering	Universidad del Valle	2009
PhD	Chemical Engineering	Universidad Nacional de Colombia	2020
Master	Chemical Engineering	Universidad del Valle	2013

### FOREIGN LANGUAGES

Languages	level of knowledge
English	B2

### AWARDS, ACKNOWLEDGEMENTS, SCHOLARSHIPS

Year	Description of award
2010	Beca COOPEN - Colombia Erasmus Mundus
2014	COLCIENCIAS Scholarship to study and finance her doctorate in Ingeniería Química at Universidad Nacional de Colombia in Colombia



## TRAINING OR RESEARCH ACTIVITY

- Culture of the microalgae under different conditions
- Harvesting and cell breaking
- Characterization of the biomass
- Lipid extraction
- Transesterification reactions and refining processes
- Thermochemical process of biomass

## PROJECT ACTIVITY

Year	Project
2011	Culture and harvesting microalgae
2012	Extracting and refining of microalgae oil

## PUBLICATIONS

Articles in reviews
<b>A. Palomino</b> , L.C. Montenegro-Ruíz, R.D. Godoy-Silva. Evaluation of yield-predictive models of biocrude from hydrothermal liquefaction of microalgae. <i>Algal Res.</i> 44 (2019).
<b>A. Palomino</b> , R.D. Godoy-Silva, S. Raikova, C.J. Chuck. The storage stability of biocrude obtained by the hydrothermal liquefaction of microalgae. <i>Renew. Energy.</i> 145 (2020).
Congress proceedings
J. A. Pasos, <b>A. Palomino</b> , L. C. Montenegro-Ruíz, R. D. Godoy-Silva, Cultivo autotrófico y mixotrófico de la microalga <i>Parachlorella kessleri</i> : efecto del tiempo de cultivo sobre la composición química (Poster). VI Congreso Latinoamericano de Biotecnología Algal, CLABA. Perú, 2017.
<b>A. Palomino</b> , J. A. Pasos, R. D. Godoy-Silva, L. C. Montenegro-Ruíz. Desarrollo y aplicación de una metodología para el conteo automático de la microalga <i>Parachlorella kessleri</i> empleando el programa ImageJ® (Oral presentation). VI Congreso Latinoamericano de Biotecnología Algal, CLABA. Perú, 2017.
<b>A. Palomino</b> , C. Alba, L. M. Flórez, J. E. López. Fatty acid extraction from microalgae <i>Chlorella vulgaris</i> (Oral presentation). 4th International Conference on Algal Biomass, Biofuels and Bioproducts, Elsevier Science. United States, 2014.

Declarations given in the present curriculum must be considered released according to art. 46 and 47 of DPR n. 445/2000.

The present curriculum does not contain confidential and legal information according to art. 4, paragraph 1, points d) and e) of D.Lgs. 30.06.2003 n. 196.

Place and date: Santiago de Cali, 28/06/2020

SIGNATURE

Alejandra Palomino

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