

**Allegato alla domanda di partecipazione**  
**Curriculum formativo, didattico, scientifico e professionale del candidato**

**Dichiarazione sostitutiva di certificazioni Dichiarazione sostitutiva dell'atto di notorietà**

(Art. 46, D.P.R. 28 dicembre 2000 n. 445)

(da sottoscrivere davanti all'impiegato addetto o da presentare o spedire con la fotocopia di un documento di identità)  
 (Art. 47, D.P.R. 28 dicembre 2000 n. 445)

Estremi del bando di selezione	D.R. N. 1477 DEL 16.12.2023
Informazioni aggiornate al	30/03/2024
Nome e Cognome	Mariana Marques da Cunha
Data di nascita	03/11/1997

**Esperienza professionale**

Periodo	Ente	Principali attività e responsabilità
Nov 2023 – March 2024	Valmet Cellulose, Paper, and Energy South America	<i>Commissioning and Start-up Engineer</i> - Commissioning and Start-up of Cooking and Fiberline area in Paper and Cellulose Mill, development of engineering projects and solutions
Fev 2022 – Sept 2023	Valmet Cellulose, Paper, and Energy South America	<i>Process Analyst</i> - Development of Paper and Cellulose engineering projects and solutions for Cooking and Fiberline area, elaboration of engineering technical proposes for clients
Agu 2020 – Dec 2021	Valmet Cellulose, Paper, and Energy South America	<i>Process Intern</i> - Elaboration of flowsheets, pipe sizing, valves, and equipment specifications, commissioning plans elaboration for cellulose mills, and development of calculations tools using python
Jan 2020 – June 2020	Colorfix Masterbatches Ltda	<i>Development Lab Intern</i> - Development of liquid, powder, and granule color concentrates for different types of polymers and manufacturing of thermoplastic resin additives
Agu 2019 – March 2020	Maker Mate Pedagogical Solutions Ltda	<i>Educational Developer</i> - Development of engineering-pedagogical materials and solutions for children using activities that make it possible to learn engineering concepts in an enjoyable way

**Istruzione, formazione (es. titoli di studio, certificazioni professionali/linguistiche/informatiche)**

Data	Titolo / Principali tematiche	Ente
2016-2022	Chemical Engineering	Federal University of Paraná (UFPR)
2012-2015	Technical Course in Oil and Gas Integrated into High School	Federal University of Paraná (UFPR)

**Pubblicazioni / Convegni**

**Numerical analysis of heat recuperation in micro-combustors using internal recirculation** | 2020 Éliton Fontana; Claudia Capeletto; Victor Santos; Evandro Garbina; Mariana M. Cunha; Luiz Luz Jr.  
<https://doi.org/10.1016/j.ces.2019.115301>

**Application of classification algorithms to establish the main heat exchange mechanism in cavities with obstacles**

| 2019 | Published in Portuguese.

Mariana M. Cunha; Miguel Queiroz Valentin; Éliton Fontana.

<http://dx.doi.org/10.5380/simproc4.2019.art05>**Publicazioni / Convegni****Influence of radiation on natural convection in trapezoidal cavities holding deflectors** | 2018 |

Published in Portuguese. Mariana M. Cunha; Éliton Fontana

<http://dx.doi.org/10.5380/19847521.3simproc2018.a22p160-167>**Chemistry In Practice: Promoting Chemistry in Schools** | 2018 | Published in Portuguese. Regina

Maria Queiroz de Mello; Liliana Micaroni; Mariana M. Cunha

<http://dx.doi.org/10.5380/ef.v0i17.58721>**Altre attività scientifiche***Scholarship Student and Researcher*

Nacional Scientific and Technological Development Council (CNPQ), UFPR | 2017 -2019 Teacher

Advisor: Éliton Fontana

Mathematical modeling and simulation of heat exchange applying computational fluid dynamics using ANSYS CFX and Open Foam

*Volunteer Teacher and Developer*

Química na Prática (English free translation: “Chemistry in Practice”) | 2017 - 2021

Teaching chemistry to elementary and high school students through experiments, development, and adaptation of chemical experiments, writing guidebooks and educational magazines, and teaching in public schools to encourage chemistry learning

*Unit Operations Scholarship Teacher*

UFPR, Technical Course in Oil and Gas Integrated to High School | 2019 - 2020

Preparation of teaching materials, exercises, tests, and minister classes of Unit Operations for technicians high schools students

*Academic Member*

Curitiba Chapter of the American Institute of Chemical Engineers (AIChE) | 2019

Organization of academic events related to chemical engineering and promotion of chemical engineering in the external community

*Chemistry Tutor*

UFPR, Technical Course in Oil and Gas Integrated to High School | 2016

Chemistry tutoring for technical course high school students and development of chemistry teaching tools

**Ulteriori informazioni pertinenti***Management Team Coordinator and Member*

Engineers Without Borders (EWB) Brazil, Curitiba Chapter | 2022 - present

Structuring the NGO, training volunteers, developing tools to manage volunteers and actions.

Participation in engineering-related social actions

*Vice General Manager and Team Coordinator*

Dobrando Alegrias (English free translation: “Folding Joys”) | 2016 - 2023

Team training and follow-up, documents elaboration, planning, and implementation of actions that, through origami (folding) make people smile and soften the atmosphere of hospitals and institutes

*Staff*

Life Cycle Assessment and Circular Economy Workshop | 2022

*Participant and Finalist*

Renner Stores | 2020

Development and prototyping of a tracking solution for Renner App Stores

Curitiba, Paraná, Brasile

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30/03/2024, Mariana Marques da Cunha

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