CURRICULUM VITAE

1. NAME:

CHRISTIAN FERNANDO MEJIA GUAMAN

2. EDUCATION:

- •PHYSIC, ESCUELA POLITECNICA NACIONAL, 2006
- •DOCTOR OF SCIENCE - PHYSICS, PONTIFICIA UNIVERSIDADE CATÓLICA DO RIO DE JANEIRO, 2015
- •MASTER OF PHYSICS, PONTIFICIA UNIVERSIDADE CATÓLICA DO RIO DE JANEIRO, 2015

3. PROFESSIONAL EXPERIENCE:

- INTERNAL
  - •UNIVERSIDAD DE CUENCA, ADJUCT PROFESSOR (0.5 FTE), 2015-09 - 2016-02
  - •UNIVERSIDAD DE CUENCA, ADJUNCT PROFESSOR (FULL-TIME), 2016-03 - 2016-08
  - •UNIVERSIDAD DE CUENCA, ADJUNCT PROFESSOR (FULL-TIME), 2016-09 - 2017-02
  - •UNIVERSIDAD DE CUENCA, ADJUNCT PROFESSOR (FULL-TIME), 2017-03 - 2017-08
  - •UNIVERSIDAD DE CUENCA, ADJUNCT PROFESSOR (0.25-0.30 FTE), 2017-09 - 2018-02
  - •UNIVERSIDAD DE CUENCA, ADJUNCT PROFESSOR (FULL-TIME), 2018-03 - 2018-08
  - •UNIVERSIDAD DE CUENCA, ADJUNCT PROFESSOR (FULL-TIME, PHD.), 2018-09 - 2019-02
  - •UNIVERSIDAD DE CUENCA, ADJUNCT PROFESSOR (FULL-TIME, PHD.), 2019-03 - 2019-08
  - •UNIVERSIDAD DE CUENCA, ADJUNCT PROFESSOR (FULL-TIME, PHD.), 2019-09 - 2020-02
  - •UNIVERSIDAD DE CUENCA, ADJUNCT PROFESSOR (FULL-TIME, PHD.), 2020-03 - 2020-08
  - •UNIVERSIDAD DE CUENCA, ADJUNCT PROFESSOR (FULL-TIME, PHD.), 2020-09 - 2020-08
  - •UNIVERSIDAD DE CUENCA, ADJUNCT PROFESSOR (FULL-TIME, PHD.), 2020-10 - 2021-02
  - •UNIVERSIDAD DE CUENCA, ADJUNCT PROFESSOR (FULL-TIME, PHD.), 2021-03 - 2021-08
  - •UNIVERSIDAD DE CUENCA, ADJUNCT PROFESSOR (FULL-TIME, PHD.), 2021-09 - 2021-12
  - •UNIVERSIDAD DE CUENCA, ADJUNCT PROFESSOR (FULL-TIME, PHD.), 2022-01 - 2022-02
  - •UNIVERSIDAD DE CUENCA, ADJUNCT PROFESSOR (FULL-TIME, PHD.), 2022-03 - 2022-08
  - •UNIVERSIDAD DE CUENCA, ADJUNCT PROFESSOR (FULL-TIME, PHD.), 2022-09 - 2022-12
  - •UNIVERSIDAD DE CUENCA, ADJUNCT PROFESSOR (FULL-TIME, PHD.), 2023-01 - 2023-02
  - •UNIVERSIDAD DE CUENCA, ADJUNCT PROFESSOR (FULL-TIME), 2023-03 - 2023-05

•UNIVERSIDAD DE CUENCA, ADJUNCT PROFESSOR (FULL-TIME, PHD.), 2023-06 - 2023-08

•UNIVERSIDAD DE CUENCA, ADJUNCT PROFESSOR (FULL-TIME, PHD.), 2023-09 - 2023-12

•UNIVERSIDAD DE CUENCA, ADJUNCT PROFESSOR (FULL-TIME, PHD.), 2024-01 - 2024-02

•UNIVERSIDAD DE CUENCA, ADJUNCT PROFESSOR (FULL-TIME, PHD.), 2024-03 - 2024-08

•UNIVERSIDAD DE CUENCA, ADJUNCT PROFESSOR (FULL-TIME, PHD.), 2024-09 - 2024-12

•UNIVERSIDAD DE CUENCA, ADJUNCT PROFESSOR (FULL-TIME, PHD.), 2025-01 - 2024-12

•UNIVERSIDAD DE CUENCA, ADJUNCT PROFESSOR (FULL-TIME, PHD.), 2025-01 - 2025-02

•UNIVERSIDAD DE CUENCA, ADJUNCT PROFESSOR (FULL-TIME, PHD.), 2025-03 - 2025-08

•UNIVERSIDAD DE CUENCA, ADJUNCT PROFESSOR (FULL-TIME, PHD.), 2025-09 - 2025-12

- EXTERNAL

•NONE

4. PROFESSIONAL DEVELOPMENT ACTIVITIES:

•NONE

5. CONTRIBUTIONS TO THE DISCIPLINE:

•MEJIA GUAMAN, C. F., "*MODIFICATIONS OF ASTROPHYSICAL ICES INDUCED BY COSMIC RAYS I. WATER, CARBON MONOXIDE, AND METHANOL MIXTURES*," SCOPUS, 2024.

•MEJIA GUAMAN, C. F., DA COSTA, C., IZA TOAPANTA, P., AND DA SILVEIRA, E., "*IRRADIATION OF PHENYLALANINE AT 300 K BY MEV IONS*," SCOPUS, 2022.

•BARROS, A., MEJIA GUAMAN, C. F., SEPERUELO DUARTE, E., DOMARACKA, A., BODUCH, P., ROTHARD, H., AND DA SILVEIRA, E. F., "*CHEMICAL REACTIONS IN H2O:CO INTERSTELLAR ICE ANALOGS PROMOTED BY ENERGETIC HEAVY ION IRRADIATION*," SCOPUS, 2022.

•MEJIA GUAMAN, C. F., VIGNOLI MUNIZ, G. S., BENDER, M., SEVERIN, D., TRAUTMANN, C., AUGÉ, B., AGNÍHOTRI, A., BODUCH, P., DOMARACKA, A., AND ROTHARD, H., "*SWIFT HEAVY ION IRRADIATION OF THYMINE AT CRYOGENIC TEMPERATURE*," SCOPUS, 2022.

•MEJIA GUAMAN, C. F., AVEIRO RÓBALO, T. R., GARLISI TORALES, L. D., CARRANZA ESTEBAN, R. F., MAMANI BENITO, O. J., VILELA ESTRADA, M. A., SERNA ALARCÓN, V., JARAMILLO AGUILAR, D. S., AND ROJAS ROA, J. L., "*PERCEIVED FATALITY PRIOR TO COVID-19 INFECTION IN 13 LATIN AMERICAN COUNTRIES (FAT-LAT-COVID-19): REVALIDATION OF A SHORTENED SCALE*," SCOPUS, 2022.

•MEJIA GUAMAN, C. F., BARROS, A., ROTHARD, H., BODUCH, P., AND DA SILVEIRA, E. F., "*SWIFT HEAVY IONS IRRADIATION OF WATER ICE AT DIFFERENT TEMPERATURES: HYDROGEN PEROXIDE AND OZONE SYNTHESIS AND SPUTTERING YIELD*," SCOPUS,

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- VIGNOLI MUNIZ, G. S., AGNÍHOTRI, A., AUGÉ, B., MEJIA GUAMAN, C. F., MARTINEZ, R., ROTHARD, H., DOMARACKA, A., AND BODUCH, P., "*RADIOLYSIS OF CYTOSINE AT CRYOGENIC TEMPERATURES BY SWIFT HEAVY ION BOMBARDMENTS*," SCOPUS, 2022.
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- VIGNOLI MUNIZ, G. S., MEJIA GUAMAN, C. F., MARTINEZ, R., E PETRIE, J., ROTHARD, H., DOMARACKA, A., AND BODUCH, P., "*RADIORESISTANCE OF ADENINE TO COSMIC RAYS*," SCOPUS, 2017.
- E PETRIE, J., DARTOIS, E., ENGRAND, C., DUPRAT, J., GODARD, M., DELAUCHE, L., BARDIN, N., ROTHARD, H., BODUCH, P., DOMARACKA, A., MEJIA GUAMAN, C. F., MARTINEZ, R., AND VIGNOLI MUNIZ, G. S., "*IRRADIATION OF NITROGEN-RICH ICES BY SWIFT HEAVY IONS: CLUES FOR THE FORMATION OF ULTRACARBONACEOUS MICROMETEORITES*," SCOPUS, 2015.
- DE BARROS, A. L. F., MEJIA GUAMAN, C. F., MARTÍNEZ MORGADO, W. A., F. ALMEIDA, L., AND DA SILVEIRA, E. F., "*A SIMPLE MODEL FOR ICE COMPACTION DATA INDUCED BY LOW ENERGY ION IRRADIATION*," SCOPUS, 2015.
- MEJIA GUAMAN, C. F., DE BARROS, A. L. F., SEPERUELO DUARTE, E., DA SILVEIRA, É. F., DARTOIS, E., DOMARACKA, A., ROTHARD, H., AND BODUCH, P., "*COMPACTION OF POROUS ICES RICH IN WATER BY SWIFT HEAVY IONS*," SCOPUS, 2015.
- MEJIA GUAMAN, C. F., BENDER, M., SEVERIN, D., TRAUTMANN, C., BODUCH, P., BORDALO, V., DOMARACKA, A., LV, X., MARTINEZ, R., AND ROTHARD, H., " *RADIOLYSIS AND SPUTTERING OF CARBON DIOXIDE ICE INDUCED BY SWIFT TI, NI, AND XE IONS*," SCOPUS, 2015.
- DARTOIS, E., BASILE, A., ROTHARD, H., BODUCH, P., BRUNETTO, R., CHABOT, M., DOMARACKA, A., JIE DING, J., KAMALOU, O., XUE YANG, L., DA SILVEIRA, É. F., CHARLES THOMAS, J., PINO, T., MEJIA GUAMAN, C. F., GODARD, M., AND DE BARROS, A. L. F., "*SWIFT HEAVY ION MODIFICATIONS OF ASTROPHYSICAL WATER ICE*," SCOPUS, 2015.
- MEJIA GUAMAN, C. F., BENDER, M., SEVERIN, D., TRAUTMANN, C., BODUCH, P., BORDALO, V., DOMARACKA, A., YANG LV, X., MARTINEZ, R., AND ROTHARD, H., " *RADIOLYSIS OF CARBON-DIOXIDE ICE BY SWIFT TI AND XE IONS*," SCOPUS, 2015.