

CURRICULUM VITAE

1. NAME:

LOURDES XIMENA ALVAREZ PALOMEQUE

2. EDUCATION:

- SUPERIOR DIPLOMA IN ENVIRONMENTAL AUDITS FOR PRODUCTION PROCESSES, UNIVERSIDAD DE CUENCA, 2004
- CHEMICAL ENGINEERING, UNIVERSIDAD DE CUENCA, 1996
- ENVIRONMENTAL MANAGEMENT MASTER FOR INDUSTRY PRODUCTION AND SERVICE COMPANIES, UNIVERSIDAD DE CUENCA, 2010

3. PROFESSIONAL EXPERIENCE:

- INTERNAL

- UNIVERSIDAD DE CUENCA, CONTRACT PROFESSOR (0.25-0.30 FTE), 1997-10 - 1998-02
- UNIVERSIDAD DE CUENCA, CONTRACT PROFESSOR (0.25-0.30 FTE), 1998-03 - 1998-09
- UNIVERSIDAD DE CUENCA, CONTRACT PROFESSOR (0.25-0.30 FTE), 1998-10 - 1999-02
- UNIVERSIDAD DE CUENCA, CONTRACT PROFESSOR (0.25-0.30 FTE), 1999-03 - 1999-08
- UNIVERSIDAD DE CUENCA, CONTRACT PROFESSOR (0.25-0.30 FTE), 1999-10 - 2000-02
- UNIVERSIDAD DE CUENCA, CONTRACT PROFESSOR (0.25-0.30 FTE), 2000-03 - 2000-08
- UNIVERSIDAD DE CUENCA, ADJUNCT PROFESSOR (0.25-0.30 FTE), 2000-09 - 2000-10
- UNIVERSIDAD DE CUENCA, ASSISTANT PROFESSOR (0.25-0.30 FTE), 2000-10 - 2007-10
- UNIVERSIDAD DE CUENCA, ASSOCIATE PROFESSOR (0.25-0.30 FTE), 2007-10 - 2007-12
- UNIVERSIDAD DE CUENCA, ASSOCIATE PROFESSOR (0.25-0.30 FTE), 2008-01 - 2012-10
- UNIVERSIDAD DE CUENCA, ASSOCIATE PROFESSOR (FULL-TIME), 2012-10 - 2014-09
- UNIVERSIDAD DE CUENCA, ASSOCIATE PROFESSOR (FULL-TIME), 2012-10 - 2012-10
- UNIVERSIDAD DE CUENCA, ASSOCIATE PROFESSOR (FULL-TIME, LEVEL 1), 2014-09 - 2020-12
- UNIVERSIDAD DE CUENCA, VICE DEAN OF CHEMICAL SCIENCES, 2020-12 - 2021-04
- UNIVERSIDAD DE CUENCA, DIRECTOR OF THE ACADEMIC UNIT FOR TECHNICAL AND TECHNOLOGICAL TRAINING SALVADOR ALLENDE - UCUENCA TEC, 2023-12 - CURRENTLY
- UNIVERSIDAD DE CUENCA, GRADUATE PROGRAM DIRECTOR, 2025-10 - CURRENTLY

- EXTERNAL

- NONE

4. PROFESSIONAL DEVELOPMENT ACTIVITIES:

- NONE

5. CONTRIBUTIONS TO THE DISCIPLINE:

- JUELA QUINTANA, D. M., VERA CABEZAS, L. M., CRUZAT CONTRERAS, C. A., ALVAREZ PALOMEQUE, L. X., AND VANEGAS PENA, M. E., “*ADSORPTION PROPERTIES OF SUGARCANE BAGASSE AND CORN COB FOR THE SULFAMETHOXAZOLE REMOVAL IN A FIXED-BED COLUMN*,” SCOPUS, 2021.
- TAPIA CARDENAS, D. E., VINTIMILLA ALVAREZ, P. F., ALVAREZ PALOMEQUE, L. X., LLIVISACA VILLAZHAÑAY, J. C., PENA ORTEGA, M. P., GUAMAN GUACHICHULLCA, N. R., SIGUENZA GUZMAN, L. C., AND JADAN AVILES, D. C., “*A MODEL FOR*

IMPLEMENTING ENTERPRISE RESOURCE PLANNING SYSTEMS IN SMALL AND MEDIUM-SIZED ENTERPRISES,” SCOPUS, 2021.

- JUELA QUINTUNA, D. M., VERA CABEZAS, L. M., CRUZAT CONTRERAS, C. A., ALVAREZ PALOMEQUE, L. X., AND VANEGAS PENA, M. E., “*MATHEMATICAL MODELING AND NUMERICAL SIMULATION OF SULFAMETHOXAZOLE ADSORPTION ONTO SUGARCANE BAGASSE IN A FIXED-BED COLUMN,*” SCOPUS, 2021.
- MEDINA, R., JADAN AVILES, D. C., ALVAREZ PALOMEQUE, L. X., MACANCELA POVEDA, J. C., SANCHEZ LOJA, R. V., AND CERRADA LOZADA, M., “*GEARBOX FAULT CLASSIFICATION USING DICTIONARY SPARSE BASED REPRESENTATIONS OF VIBRATION SIGNALS,*” SCOPUS, 2018.
- PENA ORTEGA, M. P., CERRADA, M., ALVAREZ PALOMEQUE, L. X., JADAN AVILES, D. C., M LUCERO, P., BARRAGAN LANDY, M. F., GUAMAN GUACHICHULLCA, N. R., AND VINICIO SÁNCHEZ, R., “*FEATURE ENGINEERING BASED ON ANOVA, CLUSTER VALIDITY ASSESSMENT AND KNN FOR FAULT DIAGNOSIS IN BEARINGS,*” SCOPUS, 2018.
- ALVAREZ PALOMEQUE, L. X., JADAN AVILES, D. C., CERRADA LOZADA, M., VINICIO SÁNCHEZ, R., AND MACANCELA POVEDA, J. C., “*POINCARÉ PLOT FEATURES FROM VIBRATION SIGNAL FOR GEARBOX FAULT DIAGNOSIS,*” SCOPUS, 2018.
- PENA ORTEGA, M. P., ALVAREZ PALOMEQUE, L. X., JADAN AVILES, D. C., LUCERO, P., BARRAGAN LANDY, M. F., GUAMAN GUACHICHULLCA, N. R., AND CERRADA LOZADA, M., “*ANOVA AND CLUSTER DISTANCE BASED CONTRIBUTIONS FOR FEATURE EMPIRICAL ANALYSIS TO FAULT DIAGNOSIS IN ROTATING MACHINERY,*” SCOPUS, 2017.