

CURRICULUM VITAE

1. NAME:

DIANA CAROLINA JADAN AVILES

2. EDUCATION:

- INDUSTRIAL ENGINEERING, UNIVERSIDAD DE CUENCA, 2009
- MASTER IN SCIENCES IN MANAGEMENT OF LOGISTICS AND PRODUCTION SYSTEMS
MENTION GENIE INDUSTRIEL SPECIALTY LOGISTICS AND PRODUCTION, ECOLE
NATIONALE SUPERIEURE DES MINES DE NANTES, 2013

3. PROFESSIONAL EXPERIENCE:

- INTERNAL

- UNIVERSIDAD DE CUENCA, CONTRACT PROFESSOR (FULL-TIME), 2013-03 - 2013-08
- UNIVERSIDAD DE CUENCA, CONTRACT PROFESSOR (FULL-TIME), 2013-09 - 2014-02
- UNIVERSIDAD DE CUENCA, CERTAIN WORK CONTRACT, 2013-10 - 2014-01
- UNIVERSIDAD DE CUENCA, CERTAIN WORK CONTRACT, 2014-03 - 2015-02
- UNIVERSIDAD DE CUENCA, ADJUNCT PROFESSOR (FULL-TIME), 2014-03 - 2014-08
- UNIVERSIDAD DE CUENCA, CERTAIN WORK CONTRACT, 2014-03 - 2014-06
- UNIVERSIDAD DE CUENCA, ADJUNCT PROFESSOR (FULL-TIME), 2014-09 - 2015-02
- UNIVERSIDAD DE CUENCA, ASSISTANT PROFESSOR (FULL-TIME, LEVEL 1), 2015-03 -
2018-12
- UNIVERSIDAD DE CUENCA, CERTAIN WORK CONTRACT, 2015-07 - 2016-06
- UNIVERSIDAD DE CUENCA, INDUSTRIAL ENGINEERING PROGRAM DIRECTOR, 2015-
09 - 2016-08
- UNIVERSIDAD DE CUENCA, INDUSTRIAL ENGINEERING PROGRAM DIRECTOR, 2016-
09 - 2017-08
- UNIVERSIDAD DE CUENCA, INDUSTRIAL ENGINEERING PROGRAM DIRECTOR, 2017-
09 - 2018-08
- UNIVERSIDAD DE CUENCA, INDUSTRIAL ENGINEERING PROGRAM DIRECTOR, 2018-
09 - 2018-10
- UNIVERSIDAD DE CUENCA, INDUSTRIAL ENGINEERING PROGRAM DIRECTOR, 2018-
11 - 2018-11
- UNIVERSIDAD DE CUENCA, ASSOCIATE PROFESSOR (FULL-TIME, LEVEL 1), 2018-12 -
2025-01
- UNIVERSIDAD DE CUENCA, INDUSTRIAL ENGINEERING PROGRAM DIRECTOR, 2019-
02 - 2019-08
- UNIVERSIDAD DE CUENCA, POSTGRADUATE PROGRAM DIRECTOR, 2022-12 - 2023-08

- EXTERNAL

- NONE

4. PROFESSIONAL DEVELOPMENT ACTIVITIES:

- NONE

5. CONTRIBUTIONS TO THE DISCIPLINE:

- ESPINOZA AGUIRRE, J. A., PENA ORTEGA, M. P., JADAN AVILES, D. C., AND LLIVISACA
VILLAZHAÑAY, J. C., "*RELEVANT FACTORS IN THE INVENTORY RECORD*"

INACCURACY FOR RETAIL COMPANIES: A STUDY IN FOOD RETAIL INDUSTRY,”
SCOPUS, 2022.

- LLIVISACA VILLAZHAÑAY, J. C., JADAN AVILES, D. C., GUAMAN GUACHICHULLCA, N. R., ARCENTALES CARRION, R. N., PENA ORTEGA, M. P., AND SIGUENZA GUZMAN, L. C., “*AN OVERVIEW OF OPTIMIZATION MODELS AND TECHNOLOGICAL TRENDS OF LOGISTICS IN THE RETAIL SECTOR,*” SCOPUS, 2022.
- FLORES SIGUENZA, P. A., GUAMAN GUACHICHULLCA, N. R., ROSERO MANTILLA, C. A., SIGUENZA GUZMAN, L. C., AND JADAN AVILES, D. C., “*TEXTILE MICRO, SMALL AND MEDIUM ENTERPRISES (MSME) LAYOUT DYNAMICS IN THE ECUADORIAN CONTEXT,*” SCOPUS, 2022.
- 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.
- SIGCHA QUEZADA, E. A., MARTINEZ MOSCOSO, F. A., SIGUENZA GUZMAN, L. C., AND JADAN AVILES, D. C., “*PESTEL ANALYSIS AS A BASELINE TO SUPPORT DECISION-MAKING IN THE LOCAL TEXTILE INDUSTRY,*” SCOPUS, 2020.
- LLIVISACA VILLAZHAÑAY, J. C., JADAN AVILES, D. C., GUAMAN GUACHICHULLCA, N. R., ARCENTALES CARRION, R. N., PENA ORTEGA, M. P., AND SIGUENZA GUZMAN, L. C., “*KEY PERFORMANCE INDICATORS FOR THE SUPPLY CHAIN IN SMALL AND MEDIUM SIZED ENTERPRISES BASED ON BALANCE SCORE CARD,*” SCOPUS, 2020.
- 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., 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.
- 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., 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.