

Curriculum vitae

Name Luciana dos Santos Duarte
Birth 26/11/1986
Nationality Brazilian
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Site <http://ethicalfashionbrazil.com>

Tertiary Education

- 2017** PhD researcher in Production Engineering (Federal University of Minas Gerais). Research line: **Social Studies of Technologies, Work and Expertise**. Thesis in development about Sustainable Development and Governance in Amazon: **Social technology and pacification in the global production network of rubber products from Western Amazon**
- 2013** Master in Production Engineering (Federal University of Minas Gerais). Dissertation about Textile Engineering and Reverse Logistics: [Comparative study of environmental impact of CO/PET conventional jeans and recycled jeans](#)
- 2010** Bachelor in Product Design (University of the State of Minas Gerais). Monograph about Fashion Design: [Development of ethical fashion products: an analysis of the guidelines of sustainability applied in fashion industry in Brazil](#)
- 2008** Scientific research initiation in Chemistry (Federal University of Minas Gerais) and Jewelry Design (University of the State of Minas Gerais). Project about Materials Engineering: **Development of bovine bone composite material as sustainable alternative applied to jewelry design**

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Extra courses

2018

- Methodology Development Assessment of REDD+ (Ministry of the Environment / Brazil)

2017

- VI Peace Architect Training (NGO World Peace Initiative / Thailand)
- Discourse Analysis and the Environment Summer School (Federal University of Minas Gerais)

2016

- Large-scale production in multi-diversified agroforestry systems (Federal University of Goias)
- Latin America Peace Summit 2016 (NGO World Peace Initiative / Mexico)

2014

- Workshop The Carbon Credit Market (Inhotim)
- Workshop CANVAS: Strategic Business Management (Inhotim)
- The UNESCO Convention Today (Pontifical Catholic University of Minas Gerais)

2013

- Maurice Pialat: a Filmmaker in Countercurrent (Palace of Arts)

2012

- Health and Work (Federal University of Minas Gerais)
- Smart Materials and Structures in Engineering (Federal University of Maranhão)
- Fire and Biodiversity of the Rola Moça Park (Federal University of Minas Gerais)

2011

- Quantum for Beginners: Investigations and Projects (Federal University of Minas Gerais)

2010

- Style, Fashion and Image Consulting (Federal University of Minas Gerais)

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2009

- Drawing and Fashion Illustration (Federal University of Minas Gerais)
- Planning and Development Collection (Senai)
- Workshop Pigments (Mineralogical Museum Djalma Guimarães)

2008

- Anthropology of Art: The same object and different views (University of the State of Minas Gerais)
- Introduction to Mineralogy (Mineralogical Museum Djalma Guimarães)
- Update and Training on Gemology (Mineralogical Museum Djalma Guimarães)
- Possibilities of Contemporary Stoning (Mineralogical Museum Djalma Guimarães)

2007

- Graphic Expression (University of the State of Minas Gerais)
- Ethics and Philosophy of Law (Catholic College of Pouso Alegre)
- Policy Formation (Catholic College of Pouso Alegre)

Employment Experience

Since 2013 Professor at undergraduate course in Production Engineering at Kennedy College. Lectures:

- Planning and Design Product
- Product Development Process
- Ergonomics, Health and Safety at Work
- Factory Project and Industrial Installations
- 3D Modeling
- Sustainability Management in Production Engineering

Since 2007 Entrepreneurial of Ethical Fashion Brazil website, in which I:

- share knowledge about how fashion system can be better (equitable, fair trade, ecological materials, timeless clothes, etc.);
- do ads for ethical companies;
- promote new fashion designers;
- promote my work (consultancy and projects);
- communicate main fashion events;

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- discuss about controversial materials, technology and production;
- support causes of WWF, Greenpeace, PETA and Peace Revolution NGOs.

Since 2013 Consultancy for fashion companies. Most relevant: new layout project and industrial installations for Balaia (shoes and bags company)

2014 Professor at technical course in Computer Science at Pitágoras College.

Lectures:

- Illustration and Graphic Prints
- Mock-up Techniques

Professor at extension course at Design School (University of the State of Minas Gerais):

- Fashion Design for Sustainability

2013 Design Coordinator of jewelry design at Marré Infinito company

- Coordinator of hundreds of semi jewels development
- Coordinator of a corporative fashion magazine

2011 – 2012 As a counterpart of my scholarship to study master in Production Engineering, I worked as a professor in undergraduate course in Fashion Design (Federal University of Minas Gerais), where I created the elective discipline:

- Fashion and Sustainability

In addition, I taught mandatory discipline:

- Basic Drawing for Apparel

2010 – 2011 Industrial designer of stainless steel products (i.e. many trophies for Brazilian Football Championships) at Inox Line company

2010 Fellow in extension projects about the interface of design / handcraft at Design School (University of the State of Minas Gerais)

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- Creative Communities
- Minas Roots: Crafts, Culture and Social Design

2009 Fashion designer at Green Co. company

- Development of sustainable clothing
- Development of sustainable shoes

Arts Experience

2014 I won a scholarship of the NGO Peace Revolution to meditate and create artworks. I painted three oil on canvas and they were exhibited at the River City Hall (Bangkok, Thailand)

2012 I was invited by the Government of the State of Minas Gerais to create a chair with recycled materials (jeans, wood and latex) for the IV Brazilian Biennial of Design. It was not a chair to sit down, but to think about its conception

2006 Contemporary Art Exhibition in the Artigas Gallery (Pouso Alegre / MG)

2005 Individual Art Exhibition, Academic paintings oil on canvas in the Artigas Gallery (Pouso Alegre / MG)

2000 Contemporary Art Exhibition at United Nations Shopping (São Paulo / SP). I was eleven years old and had awarded a national prize of DirecTV (Brazilian Television Company)

Voluntary

Since 2015 Director of The Street Store Belo Horizonte (a charity store for hundreds of homeless people; coordination of hundreds of volunteers and donators, and millions of apparel donations)

Development of Pimp My Carroça – Pimpex BH project (graffiti and reformation of waste carts for canners)

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- Since 2014** Peace Coach at the Thai NGO Peace Revolution website, in which I teach people from all over the world to meditate and to have good habits
- 2010** Volunteer at Forensic Institute (Instituto Médico Legal), where I drew faces of disappeared people to help Policy and Society to find them
- 2003** Teenager volunteer at NGO Interact of Lions Clubs International, where I played with underprivileged children at “favelas”

Publications / Reports / Conference / Seminar Papers

2018 Currently working on data about rubber value chain, collected in Amazon rainforest in January and February.

2017 (54) DUARTE, L. S.; DE OLIVEIRA, L. S.; RAJÃO, R. G. L.; VAN DER HOFF, R. [Análise da qualidade em protótipos de bolsas de tecido da floresta.](#) VII Brazilian Congress of Production Engineering, Federal Technological University of Paraná.

(53) DUARTE, L. S. *et al.* [Desenvolvimento e implementação de estratégias de marketing e de engenharia dentro de startups.](#) VII Brazilian Congress of Production Engineering, Federal Technological University of Paraná.

(52) DUARTE, L. S.; VAN DER HOFF, R.; RAJÃO, R. G. L. [Estudos de caso da injeção de cera e da injeção de borracha no design de joias: uma contribuição da engenharia de precisão.](#) VII Brazilian Congress of Production Engineering, Federal Technological University of Paraná.

(51) FREITAS, L. F. P.; VAN DER HOFF, R.; DUARTE, L.S.; RAJÃO, R. G. L. [Estudo de diretrizes de projeto para negociações de crédito de carbono em companhia aérea brasileira.](#) Delfos 2017: Multidisciplinary in Innovation - Future of Masters and Doctors. Federal University of Minas Gerais.

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(50) DUARTE, L. S. *et al.* [Projeto de sistema sustentável para equidade social por meio de produtos de tecido: estudo de caso na APAC masculina de Nova Lima / MG.](#) Delfos 2017: Multidisciplinarity in Innovation - Future of Masters and Doctors. Federal University of Minas Gerais.

(49) MONTEIRO, F. C. S.; DUARTE, L. S.; RAJÃO, R. G. L. [Processo de desenvolvimento de sistema para inovação social: estudo de caso da 8ª edição do projeto The Street Store Belo Horizonte.](#) Delfos 2017: Multidisciplinarity in Innovation - Future of Masters and Doctors. Federal University of Minas Gerais.

(48) DUARTE, L. S.; RAJÃO, R. G. L.. [Controvérsias entre propriedade intelectual e inovação social: estudo de caso da startup Risü.](#) Delfos 2017: Multidisciplinarity in Innovation - Future of Masters and Doctors. Federal University of Minas Gerais..

(47) DE ANDRADE, F. V. *et al.* [Use of hydroxyapatite Ca₅\(PO₄\)₃OH obtained from refuse of cattle slaughterer as a catalyst support: an alternative material for heterogeneous photocatalysis.](#) Journal of Scientific Research and Studies, Vol. 4 (10), October, 2017, pp. 245-253.

(46) PRADO, P.; DUARTE, L. S.; SILVA, J. S. [Estudo das verbalizações das profissionais do sexo do centro de Belo Horizonte.](#) V Production Engineering Symposium, State University of Santa Catarina, pp. 186 – 197.

(45) DUARTE, L. S. [Estudo sobre produtos feitos de tecido da floresta inseridos na cadeia global de valor.](#) V Production Engineering Symposium, State University of Santa Catarina, pp. 1063 – 1074.

(44) PRADO, P.; DUARTE, L. S.; SILVA, J. S. [Projeto sistêmico The Street Store BH: o papel da engenharia de produção na gestão de uma pop-up store.](#) V Meeting of Engineering in Entertainment, Federal University of the State of Rio de Janeiro, pp. 132 – 148.

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(43) MACIEL, R. F.; DUARTE, L. S. [Estratégias de marketing e engenharia de produção no terceiro setor: um estudo de caso da startup O Polen.](#) V Meeting of Engineering in Entertainment, Federal University of the State of Rio de Janeiro, pp. 96 – 112.

(42) DUARTE, L. S. [Perspectivas híbridas entre antropologia e design de sistemas para produtos feitos a partir do tecido da floresta.](#) VI Meeting of Anthropology of Science and Technology, University of São Paulo, v. 3, n. 3, pp. 21-41.

(41) XAVIER, S.; DUARTE, L. [Design and art promoting socially responsible recycling: the analysis of a collaborative action to support waste pickers in New York City.](#) 6th Brazilian Symposium on Sustainable Design, Federal University of Minas Gerais.

(40) OLIVEIRA, L. S.; MACEDO, R.; DUARTE, L. S. [Análise da qualidade em protótipos de bolsas de tecido da floresta.](#) 5th National Salon of Scientific Publication, Federal University of Minas Gerais.

(39) XAVIER, S. R.; DUARTE, L. S. [Design and art promoting socially responsible recycling: the analysis of a collaborative action to support waste pickers in New York City.](#) Mix Sustentável, v. 3, n. 4.

(38) DUARTE, L. S.; FERREIRA, A.; FERNANDES, D.. **Desenvolvimento de sistema para equidade social por meio de produtos de moda: estudo de caso na APAC de Nova Lima/MG.** Colóquio Internacional de Design. Universidade do Estado de Minas Gerais.

(37) DUARTE, L. S.; AGUIAR, L. F. G. **Análise da qualidade de produtos desenvolvidos por presidiários: estudo de caso na APAC de Santa Luzia/MG.** Colóquio Internacional de Design. Universidade do Estado de Minas Gerais.

(36) DUARTE, L. S.; XAVIER, S. R.; RAJÃO, R. G. L. **3º Pimpex Mulheres Guerreiras: a questão do gênero e o desenvolvimento**

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dos processos de reforma e grafite de carrinhos de catadoras. VII Simpósio Nacional de Ciências, Tecnologias e Sociedades, Universidade de Brasília.

(35) GONZÁLEZ, S. A. P.; DUARTE, L. S.; LIMA, F.; RAJÃO, R. G. L. **Abordagens teóricas para o estudo da inovação e sua interface com manifestações do empreendedorismo.** VII Simpósio Nacional de Ciências, Tecnologias e Sociedades, Universidade de Brasília.

(34) DUARTE, L. S.; RAJÃO, R. G. L. **Produtos e materiais desenvolvidos a partir da tecnologia social do tecido da floresta amazônica: estudos de caso na cadeia global de valor do látex.** VII Simpósio Nacional de Ciências, Tecnologias e Sociedades, Universidade de Brasília.

(33) DUARTE, Luciana dos Santos; XAVIER, Silvia; RAJÃO, Raoni Guerra Lucas. [Pimpex Mulheres Guerreiras: projeto colaborativo para valorizar o trabalho das mulheres na catação de materiais recicláveis.](#) XIV National Meeting of Engineering and Social Development, Federal University of Itajubá.

2016

(32) DUARTE, L. S.; XAVIER, S.; MATSSUNAKA, M. Y. ; ACKEL, T. T. L. [Project Pimpex BH - Pimp My Wagon: ergonomics, research and development of recyclable waste carts.](#) 12th Brazilian Congress on Research and Development in Design, v. 2, p. 3308-3318.

(31) DUARTE, L. S.; PRADO, P. **The development of the first edition of The Street Store Belo Horizonte: a charity clothing store project for the street population.** 18th Brazilian Congress of Ergonomics, Federal University of Minas Gerais.

(30) DUARTE, L. S.; ALMEIDA, J. F. F. **Strategies of competitiveness with an emphasis on fast fashion for clothing and retail small companies of the fashion pole of Belo Horizonte.** 18th Brazilian Congress of Ergonomics, Federal University of Minas Gerais.

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(29) DUARTE, L. S.; LIMA, A.; OLIVEIRA, L. **Comparative and cognitive study of materials made from the social technology of Amazonian encauchados.** 18th Brazilian Congress of Ergonomics, Federal University of Minas Gerais.

(28) DUARTE, L. S. **Analysis of the B1 uniform of the Military Police of Minas Gerais: from the product design and its aesthetic configuration to the work ethic of the military policeman.** 18th Brazilian Congress of Ergonomics, Federal University of Minas Gerais.

(27) DUARTE, L. S. [Methodology for the study of the insertion of the Amazon encauchados in the global value chain.](#) IV Meeting of the Brazilian Center-West of Production Engineering, Federal University of Goiás, pp. 404 – 409.

(26) DUARTE, L. S.; GALVAO, C. [The role of the designer in the strategic management of the project in jewelry companies of Minas Gerais.](#) IV Meeting of the Brazilian Center-West of Production Engineering, Federal University of Goiás, pp. 153 – 158.

(25) DUARTE, L. S.; XAVIER, S. ; BEATRIZ, G. H. S. ; MATSSUNAKA, M. Y. ; ACKEL, T. T. L. [Pimp My Carroça Project - Pimpex BH: research and development of recyclable waste carts.](#) IV Meeting of the Brazilian Center-West of Production Engineering, Federal University of Goiás, pp. 160 – 165.

(24) XAVIER, S. ; DUARTE, L. S. ; BEATRIZ, G. H. S. ; MATSSUNAKA, M. Y. ; ACKEL, T. T. L. [Visibility and social integration of collectors of recyclable materials - results of the Pimp My Carroça project.](#) 7th Brazilian Luso Congress for Urban, Integrated and Sustainable Planning, Federal University of Alagoas.

(23) DUARTE, L. S. [Hybrid perspectives between anthropology and systems design for textile from Amazonian rainforest.](#) Workshop Challenges of the implementation of climate policies in Brazil: in search of a transdisciplinary vision, Federal University of Minas Gerais.

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- 2015**
- (22) DUARTE, L. S.; PRADO, P. [The Street Store Belo Horizonte: street shop charity project for the street population.](#) 1st International Design Colloquium, University of the State of Minas Gerais, pp. 686 – 700.
- (21) DUARTE, L. S.; CAMARA, T. [Reverse logistics and competitiveness for the textile waste of the fashionable pole of Belo Horizonte.](#) 1st International Design Colloquium, University of the State of Minas Gerais, pp. 372 – 386.
- 2014**
- (20) COELHO, M. G., SILVA, L. O. , AUGUSTI, R., DE LIMA, G. M., ARDISSON, J. D. , DE ANDRADE, F. V., DUARTE, L. S. [Study of the catalytic activity of the bovine bone powder impregnated with Fe \(III\), new material to photodegradation of the indigo carmine dye.](#) XX Brazilian Congress of Chemical Engineering, Federal University of Santa Catarina.
- (19) DUARTE, L. S., RAJÃO, R., FARIA, P. E. [Comparative study of the environmental impact of textile production of CO/PET conventional jeans and CO/PET recycled jeans.](#) VIII National Congress of Mechanical Engineering, Federal University of Maranhão.
- (18) DUARTE, L. S. [Comfort and durability of prototypes of pants made of CO/PET conventional jeans and CO/PET recycled jeans.](#) XI Brazilian Congress of Research and Development in Design
- (17) DUARTE, L. S., GUIMARÃES, F., BARBOSA, J. [Creation of children's clothing with zero waste modeling.](#) IV Brazilian Congress of Production Engineering, Federal Technological University of Paraná
- (16) DUARTE, L. S., GUIMARÃES, F., BARBOSA, J. [Children's clothing from the 1940s: from the concept of childhood to the concepts of collection development through imagery references and zero waste modeling.](#) Seminar Image Design: visual convergence. University of the State of Minas Gerais, pp. 50 – 51.

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- (15) DUARTE, L. S. [Design of jeans for sustainability: application of environmental impact reduction tools for analysis of CO/PET recycled jeans.](#) IARA Magazine of Fashion, Culture and Art
- 2013**
- (14) MIRANDA, T. M.; DUARTE, L. S. [Sustainable fashion consumption: The relation of the aesthetics of Amazon Guardians collection of Osklen with the paradigm of consumption of fashion objects and codes.](#) Seminar Image Design: the Dialectics of Design and its Interfaces. Design School, University of the State of Minas Gerais
- 2012**
- (13) DUARTE, L. S. ; MOREIRA, C. A. ; PINTO, P. C. C. ; LIMA, G. M. [Development of sustainable composites based in textile waste.](#) VII National Congress of Mechanical Engineering, Federal University of Maranhão. ISSN/ISBN: 2178180
- (12) DUARTE, L. S. [Ethics and aesthetics of uniforms and work of the Military Police of Minas Gerais.](#) I International Symposium of Psychosociology of Labour. Philosophy and Humanities College, Federal University of Minas Gerais
- 2011**
- (11) DUARTE, L. S. [The right to civil disobedience in John Rawls.](#) II Meeting of the Study Group on History and Work in History and Language. Philosophy and Humanities College, Federal University of Minas Gerais, ISSN/ISBN: 9788562707322
- (10) ALVES, L. L.; BARROS, A. C.; DUARTE, L. S. ; NIGRI, E. M.; ROMEIRO FILHO, E. [Plastic bags, ecobags and furoshikis: a discussion on sustainability of products and technologies.](#) VII SAEPRO Academic Symposium on Production Engineering, Federal University of Viçosa
- (9) DUARTE, L. S. [Ethical fashion historical context and the ethics of sustainability strategies for the development of fashion products.](#) I SIMPEX Symposium Research and Extension Design, Federal University of Espírito Santo

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(8) DUARTE, L. S. ; CAMPOS RUBIO, J. C. [Models produced by injection and the precision in the production of jewelry.](#) XV Machining Colloquium, Federal Institute of Education, Science and Technology Southeast of Minas Gerais

2010

(7) DUARTE, L. S.; FREITAS, A L. C. [Minas Roots: crafts, culture and social design – The identity of Lagoa Santa / MG.](#) I National Congress of Handcraft Network ITCP's, Federal University of São João Del-Rei

(6) DUARTE, L. S.; PASCO, M. R.; CAMPOS RUBIO, J. C.; FARIA, P. E.; LEITE, W. O.; OLIVEIRA, E. M. [The machining and manufacturing technology applied to the development of jewelry and decorative objects.](#) XIV Machining Colloquium, Federal University of Uberlândia

(5) DUARTE, L. S. [Ethics as a strategy in the development of products in the fashion sector.](#) Seminar of the School of Design. University of the State of Minas Gerais, 2010.

2009

(4) DUARTE, L. S.; LIMA, G. M.; TEIXEIRA, M. B. S. [The development of composite with bovine bone powder as gem material simulator to coral applied to jewelry design.](#) I Seminar on Design and Gemology Stones, Gems and Jewels of Rio Grande do Sul, Federal University of Rio Grande do Sul

2008

(3) DUARTE, L. S. ; MIRANDA, C. A. S. [The hearing protector's design: the relation between hearing pathologies and ears' identification.](#) II International Professional and Scientific Conference Occupational Safety and Health, Polytechnic of Karlovac, Croatia

(2) DUARTE, L. S.; LIMA, G. M.; TEIXEIRA, M. B. S. [Development of bovine bone composites as a sustainable alternative material applied to jewelry design.](#) 10th Seminar of Scientific Initiation and Extension, University of the State of Minas Gerais

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- 2007** (1) DUARTE, L. S. ; PASCO, M. R. ; PEREIRA, M. [The limitations of the formwork in high heels and the use of orthoses: An approach to Ergonomics.](#) Actas de Diseño (Palermo University, Argentina). ISSN/ISBN: 18502032

Lectures

2014 – 2016 Lectured **Strategies of Sustainability for Fashion Design** at:

- Design School (University of the Estate of Minas Gerais)
- Fashion Museum (Belo Horizonte)
- Kennedy College (Belo Horizonte)
- Fashion Revolution (Belo Horizonte)

2011 – 2013 Lectured **Design, Strategy and Sustainability** at:

- Junior Enterprise World Conference (largest event of junior companies in the world)
- School of Architecture (Federal University of Minas Gerais)
- Engineering School (Federal University of Minas Gerais)

Programme and Data System Experience

- SolidWorks Basic and Advanced Training 2008 (3D CAD software)
- Windows (Word, Excel, PowerPoint)

Languages

- Portuguese (mother tongue)
- English (good/fluent), TOEFL ibt 97 (2015), TOEFL ibt 91 (2014)
- Spanish (basic)
- Italian (basic)
- French (reading)
- Mandarin (basic reading)