

# Gloria Rocio Bautista Mendoza

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## Skills

- Ability to work independently and collaboratively
- Native Spanish Speaker and proficient in English
- 13+ years of experience as statistical consultant in health sciences: Nursing and Dentistry.
- Familiar with statistical programming languages such as SPSS, Minitab, SAS and R.

## Education

### ***Universidad Nacional de Colombia, Bogota, Colombia***

#### ***Master, Statistics, 2009***

- Representative Coursework: Linear Models, Multivariate Analysis, Sampling, Theory of Probability, Linear Algebra, Mathematical Statistics, Generalized Linear Model.

### ***Universidad Nacional de Colombia, Bogota, Colombia***

#### ***Master, Microbiology, 2000***

- Representative coursework: Physiology and Biochemistry of Microorganisms, Experimental Design, Evolutionary Ecology, Molecular Biology, Molecular Genetics Microbial.

### ***Universidad Industrial de Santander, Bucaramanga, Colombia***

#### ***Bachelor of Health Sciences, Bacteriology and Clinical Laboratory, 1994***

- Representative coursework: Biology, Physics, Chemistry, Biochemistry, Genetics, Pathology and Cytology, Chemical Analysis Techniques, Histology, Instrumental Analysis, Bacteriology, Virology, Parasitology, Mycology, Immunology.

## Training and Actualization Courses

- SAS Programming: Data Manipulation Techniques. March 2014-Now. SAS Institute. USA.
- Statistical Analysis of fMRI data. August-September 2014. Johns Hopkins University. USA.
- Design and Interpretation of Clinical Trials. March-April 2014. Johns Hopkins University. USA

- Data Management for Clinical Research. Septiembre- Noviembre-2013. Vanderbilt University. USA.
- Data Base Introduction. Enero-Marzo 2013. Stanford University. USA

## **Professional Experience**

### ***El Bosque University, Bogota, Colombia***

#### ***Assistant Professor, School of Dentistry, 2002 to present***

- Instructor for graduate and undergraduate students
  - 8 years as lecturer of Fundamental Statistic course to graduate and undergraduate students at the Dentistry School.
  - 4 years as lecturer of Fundamental Statistic course to graduate students in Biomedical Sciences Master Program.
- Statistical consultant
  - +13 years as Statistical Consultant for more than 100 graduate and undergraduate researching projects using statistical methods and Statistical Software as SPSS, Minitab and sometimes SAS and R.
  - Online statistical consultant for projects research using web tools.
  - Projects include observational studies, agreement and uncertainty studies in different fields in Dentistry such as Endodontology, Periodontics and Oral Medicine, Pediatrics Dentistry, Craniofacial Malformations and Orthodontics.
  - Assisting with training of faculty and residents on statistical analysis and reporting to support research projects.

### ***Universidad Nacional de Colombia, Bogota, Colombia***

#### ***Statistical Consultant, Statistical School-Extension Unity, 2014***

- Statistical Consultant- Drugs and Foods Surveillance National Institute ("INVIMA").
- Data analysis related with Uncertainty calculation of measurement in Biologic and Microbiologic Laboratories.

### ***Universidad Nacional de Colombia, Bogota, Colombia***

#### ***Statistical Consultant, School of Nursing, 2002 to 2012***

Statistical consultant

- 10 years as Statistical Consultant for more 15 graduate and undergraduate researching projects.
- Address planning, development, analysis and interpretation of results in theses and research projects using descriptive methods and psychometric techniques for construction, and measurement of reliability of instruments.
- Data analysis related with measurement and evaluation of nursing instruments and observational studies in areas such as Chronic Diseases, Maternal Perinatal Care and Family Health.

- Online Statistical Consultant to Nursing Master's Programs in developed agreement with Central America (Panama, Guatemala, Honduras, El Salvador, Nicaragua), the Caribbean, Patagonia, University Francisco de Paula Santander and Tolima University.

***Universidad Nacional de Colombia, Bogota, Colombia  
Statistical Consultant, School of Engineering, 2012***

- Statistical Consultant to SEPRO (Society, Economy and Productivity) research group and Industrial Engineering Master's students with emphasis in Logistic of Industrial Process by using sampling methods and multidimensional exploratory statistical analysis.

***La Sabana University Bogota, Colombia  
Statistical Consultant, School of Nursing, 2005-2007***

- Statistical consultant
- 2 years as consultant for researching projects in measurement and evaluation of nursing instruments, responsible for the statistical analysis for validity and reliability of the Spanish version of the instrument: Application of Callista Roy's Adaptation Model in Latin America.

***Universidad Nacional de Colombia, Bogota, Colombia  
Teaching Assistant : Experimental Design, MSc. Microbiology, 2004***

- Responsible for Lab Computing in Experimental Design; grading lab and homework

***Universidad Nacional de Colombia, Bogota, Colombia  
Statistical Consultant, Division of Research, Bogota, 2002 - 2003***

- Responsible for building a statistical Index to evaluate the researching projects of faculties.
- Proposal of a methodology for the assessment of research projects.

***Universidad Nacional de Colombia, Bogota, Colombia  
Statistical Consultant, Curricular Programs Division, 2000-2001***

- Advises collection and analysis of information on the evaluation of courses.

***Colegio Mayor of Cundinamarca University , Bogota, Colombia  
Assistant professor, School of Health sciences,2001***

- Responsible for lecture in Bacteriology Theory I. Major: Bacteriology and Clinical Laboratory.

***Universidad Nacional de Colombia, Bogota, Colombia  
Assistant Research, Biology Department, 1999-2000***

- Assistant Research in the project: Biological Control of some pathogens that affect Chrysanthemum in Bogota.
- Organization and coordination of outreach activities.

***Universidad Nacional de Colombia, Bogota, Colombia  
Teaching Assistant: Microbial Molecular Genetics, Msc. Microbiology,1999***

- Responsible for lab preparation; grading lab and homework.

**General Clinical Laboratory, Bogota, Colombia, 1997-1998**

- Bacteriologist and Clinical Laboratory

**Hospital Integrado San Rafael, Matanza, Santander, Colombia, 1996**

- Bacteriologist and Clinical Laboratory. Mandatory Social Services

**Clinical Laboratory Specialist, Bucaramanga, Colombia, 1994-1995**

- Bacteriologist and Clinical Laboratory

## Research Experience

- Research Unit for the Management of Craniofacial Malformations. El Bosque University, Bogota. 2006 to present. Researcher responsible for the Statistical Analysis.
- Researching group for Saliwell Ltd. Medical Systems, 2009-2012. A researching group with more than 20 researchers. Researcher responsible for Statistical Analysis in a Multi-center study, randomized, clinical trial. Phase I: Implementation of double-blind, randomized crossover design. Phase II: Implementation of a Multicenter Prospective Clinical Trial. [http://www.saliwell.com/4\\_1.asp](http://www.saliwell.com/4_1.asp)
- Master's Thesis in Statistics: Comparison of the Tucker 3 Method and the Multiple Factorial Analysis for the three-way data analysis. Universidad Nacional de Colombia, Statistics Department, 2008-2009.
- Basic Oral Research Unit. El Bosque University, Bogotá, Colombia, 2002-2009. Colciencias, Category A. Researcher responsible for the Statistical Analysis.
- Research Unit of Dental Caries. El Bosque University, Bogota. Colciencias, Category B, 2002-2009. Researcher responsible for the Statistical Analysis.
- Specialization's Thesis in Statistics: Application of Hierarchical Models in Periodontology. A case study. Universidad Nacional de Colombia, Statistics Department, 2002-2003.
- Research Assistant. Universidad Nacional de Colombia, Bogota, 1999-2000. Project: Biological control of some pathogens that affect the chrysanthemum in Bogota.
- Master's Thesis in Microbiology: Determination of the Association and Antagonism against *Rhizoctonia solani* of Native Isolated *Pseudomonas fluorescens* in Potato Crop (*Solanum phureja*) under Greenhouse Conditions. Universidad Nacional de Colombia, Biotechnology Institute, 1998-2000.

## Teaching Experience

- Assistant Professor, El Bosque University, Bogotá, Colombia, 2002-Present.
- Assistant Professor, Colegio Mayor de Cundinamarca University, Bogota, Colombia, 2001.

## Courses Taught

- Fundamental Statistics. Graduate program (Master). Major: Biomedical Basic Sciences.
- Research Methodology. Undergraduate. Major: Dentistry. Graduate programs (Specializations). Majors: Pediatric Dentistry, Orthodontics, Prosthodontics, Endodontics, Periodontics and Oral Medicine, Oral and Maxillofacial Surgery.

## Awards

- Meritorious Thesis. Master in Microbiology. Universidad Nacional de Colombia, 2000.
- Tuition Scholarship. Master in Microbiology. Universidad Nacional de Colombia, 1998-1999.
- CUM LAUDE. Undergraduate major: Bacteriology and Clinical Laboratory. Universidad Industrial de Santander, Colombia. 1994.
- Tuition Scholarship. Distinguished Student. Undergraduate major: Bacteriology and Clinical Laboratory. Universidad Industrial de Santander. Sem I-1993 and Sem II-1994.
- Award: Andrés Bello. Highest score in Standard test for High School Students, ICFES, San Andres, Santander, 1998.
- Award for Best Undergraduate Research in the XI Institutional Congress. El Bosque University, 2003. Study: Epidemiological study of dental caries and periodontal disease in the prison population of a detention center in Colombia.
- Award for Best Research in Epidemiology area for undergraduate research in the XIV and III Latin-American Meeting of Dental Research. 2004. Study: Epidemiological study of dental caries and periodontal disease in the prison population of a detention center in Colombia.
- Award for Best Research Work in the XIII Institutional Congress. El Bosque University, 2005. Study: Phenotypic Identification of Expression Cellular Model in the Pathogenesis of Periodontitis in Advanced Stage.

## Publications

### *Books*

- Mendoza, H, Bautista, G. (2002). Fundamental Biostatistics. <http://www.virtual.unal.edu.co/cursos/ciencias/2001091/index.html>  
ISBN: 978-958-761-039-0. Editorial Universidad Nacional de Colombia
- Mendoza, H, Bautista, G. (2002). Experimental Design. <http://www.virtual.unal.edu.co/cursos/ciencias/2000352/index.html>  
ISBN: 978-958-761-037-6. Editorial Universidad Nacional de Colombia
- Mendoza, H, Bautista, G, López L.A, Vargas, J.A. (2002). Regression Methods. <http://www.virtual.unal.edu.co/cursos/ciencias/2007315/index.html>  
ISBN: 978-958-761-040-6. Editorial Universidad Nacional de Colombia

- Mendoza, H, Bautista, G. Probability and Statistics. (2002)  
<http://www.virtual.unal.edu.co/cursos/ciencias/2001065/index.html>  
 ISBN: 978-958-761-038-3. Editorial Universidad Nacional de Colombia

### Articles

- Hincapié, S, Bautista, G, et al. Teaching and practical guidelines in pulp therapy in primary teeth in Colombia – South America. *International Journal of Paediatric Dentistry*. Vol. 25. No. 2, p 87-92. 2014.  
<http://www.ncbi.nlm.nih.gov/pubmed/24650083>.
- Tellez, C, Bautista, G, et al. Clinical Detection of Major and Minor Craniofacial Abnormalities in Colombian School Population. *Universitas Odontologica*. Pontificia Universidad Javeriana. Vol. 33. No. 70. 2014. ISSN 0120-4319.  
<http://revistas.javeriana.edu.co/index.php/revUnivOdontologica/article/view/5425>.
- Gonzalez, M.C, Bautista, G, et al. Maturation State of Cervical Vertebrae Bone in a Colombian Population with or without Cleft Lip and Palate. *Universitas Odontologica*. Pontificia Universidad Javeriana. Vol. 33. No. 70. 2014. ISSN 0120-4319.  
<http://revistas.javeriana.edu.co/index.php/revUnivOdontologica/article/view/7380>.
- Forero J; Bautista G; et al. Comparative Chemical Analysis of MTA and Portland I Cements. *Revista Salud Bosque*. Junio 2013. vol 3, no. 2, p 17-22.
- Ivan Alajbeg, Denise P. Falcão, Simon D. Tran, Rafael Martín-Granizo, Gloria I. Lafaurie, Domenica Matranga, Slavica Pejda, Lea Vuletic', Rubén Mantilla, Soraya C. Leal, Ana C. Barreto Bezerra, Henri A. Ménard, Suguru Kimoto, Shaoxia Pan, Lourdes Maniegas, Cheryl A. Krushinski, Dario Melilli, Giuseppina Campisi, Carlo Paderni, **Gloria R. Bautista Mendoza**, Juan F. Yepes, Liselott Lindh, Gonca Mumcu, Sharon Elad, Itai Zeevi, Beatriz C. Aldape Barrios, Rodrigo M. López Sánchez, Claire Lassauzay, Olivier Fromentin, Ben Z. Beiski, Frank P. Strietzel, Yrjö T. Konttinen, Andy Wolff, and Susan L. Zunt. S. *Intraoral electrostimulator for Xerostomia relief: A Long-term, multicenter, open-label, uncontrolled clinical trial*. *Oral Surgery, Oral Medicine, Oral Pathology, Oral Radiology and Endodontology*. June 2012, vol 113, no. 6, p 773-781. <http://www.oooojournal.net/article/S2212-4403%2812%2900053-3/pdf>
- Gómez J,R; **Bautista G**; et al. *Evaluation of Marginal Adaptation In Vitro of MOD fillings with an enamel finish manufactured with IPS E.MAX CAD (Computer Assisted Design®) and with Gold Type III*. *Revista Salud Bosque*. 2011. Vol 1. No. 2. p. 7-14.
- Strietzel, F; **Bautista Mendoza, G**; et al. *Efficacy and safety of an intraoral electrostimulation device for xerostomia relief: A multicenter randomized trial*. *Arthritis & Rheumatism*. Jan 2011, vol 63, no. 1, p 180-190.
- Martignon, S; **Bautista G**; et al. *Instruments for evaluating oral health knowledge, attitudes and practice for parents /caregivers of small children*. *Journal of Public Health*, May 2008, vol.10, no.2, p.308-314. ISSN 0124-0064.
- **Bautista, G**; Mendoza, H and Uribe, D. Biocontrol of *Rhizoctonia solani* in native potato (*Solanum phureja*) plants using native *Pseudomonas fluorescens*.

Acta biol.Colomb. [online]. Jan./June 2007, vol.12, no.1 [cited 22 May 2009], p.19-32. ISSN 0120-548X .

- Niño, J, **Bautista, G**; et al. *In vitro evaluation of concordance to three apex localizers Endex, Root ZX and Bingo 10-20 and determination of calibration to general practitioners and Endodontics for the use of an apex localizer.* Journal of Dentistry School. University El Bosque. 2006, Vol 12, No. 1. pp. 14-24. ISSN: 0123-2835.
- Ramirez, T, J; **Bautista, G**; et al. *Evaluation of microleakage in class II cavities with dentinal margins using the open sandwich technique with conventional glass ionomer and resin-modified.* Journal of Dentistry School. University El Bosque. 2006, Vol 12, No. 1. pp. 35-44. ISSN: 0123-2835.
- Sarria, M.F; **Bautista, G**; et al. Evaluation of dimensional changes in slot height of new brackets. Journal of Dentistry School. University El Bosque. 2006, Vol 12, No. 1. pp. 45-53. ISSN: 0123-2835.
- Pinzón, A; **Bautista, G**; et al. *Influence of the nose shape on the profile evaluation using Ricketts E plane.* Journal of Dentistry School. University El Bosque. 2005, Vol 11, No. 1. pp. 11-18. ISSN: 0123-2835.
- Aguas, T; **Bautista G**; et al. Evaluation Ceka Revax® resistance to dislodging subjected to different cyclical charges. Journal of Dentistry School. University El Bosque. 2005, Vol 11, No. 1. pp 30-36. ISSN: 0123-2835.
- Castillo, J; **Bautista, G**; et al. Comparison in vitro of curved canals preparation with reciprocating instrument (Endogripper) and three different types of manual files (Flexofile®, Flex R® and NiTi®). Journal of Dentistry School. University El Bosque. 2005, Vol 11, No. 1. pp. 37-44. ISSN: 0123-2835.
- **Bautista, G** and Velosa J. *Exploration and determination of risk factors.* Journal of Dentistry School. University El Bosque. 2005, Vol 11, No. 1. pp. 60-64. ISSN: 0123-2835.
- González, M.C; **Bautista, G**; et al. *Weight, Height and Craniofacial Anthropometry in a Colombian Population with Cleft Lip and Palate.* Journal of Dentistry School. University El Bosque. 2005, Vol 11, No. 2. pp. 12-19. ISSN: 0123-2835.
- Romero, A; **Bautista, G**; et al. *Evaluation of tensile strength and dimensional characteristics of two ceramic abutments.* Journal of Dentistry School. University El Bosque. 2005, Vol 11, No. 2. pp. 19-31. ISSN: 0123-2835.
- Boada, C; **Bautista, G**; et al. *Comparison in vitro of Two Rotary Systems in Endodontics (Protaper and k3) in Simulated Curved Canals.* Journal of Dentistry School. University El Bosque. 2005, Vol 11, No. 2. pp. 56-64. ISSN: 0123-2835.
- **Bautista, G** and Tamayo, M.C. *Evaluation of Diagnostic Test. Part II. Agreement studies.* Journal of Dentistry School. University El Bosque. 2005, Vol 11, No. 2. pp. 60-68. ISSN: 0123-2835.
- Velandia, C; **Bautista, G**; et al. Epidemiological study of dental caries and periodontal disease in the prison population of a detention center in Colombia. Journal of Dentistry School. University El Bosque. 2003. Vol 9. No. 1. Págs 19-28. ISSN: 0123-2835.

- Tamayo, M and **Bautista, G**. Evaluation of operational characteristics of diagnostic tests for clinical application: Sensitivity, specificity, positive and negative predictive values. Journal of Dentistry School. University El Bosque.. 2003. Vol 9. No. 1. Págs 70-76. ISSN: 0123-2835.
- Uribe, D; **Bautista, G**; et al. Diversity of Fluorescent Pseudomonas in Potato Crops of the Cundiboyacense Region and its *in vitro* Antagonic Activity against *Rhizoctonia solani*. *Colombian Journal of Biotechnology*, Vol 3, No. 1. pp. 50-58. 2001. ISSN: 0123-3475.
- Garcés de G, E; **Bautista, G**; et al. *Fusarium oxysporum* the fungus that we need to know. *Acta Biológica Colombiana*. Vol 6, No. 1. pp. 7-25. 2001. ISSN 0120-548X.
- Tamayo, M; **Bautista, G**; et al. *In vitro* determination of alkaline phosphatase activity of pulp cells exposed to three Endodontic cements. Journal of Health Bosque. University El Bosque (2011. In press).

### Presentations and Talks

- Tellez-Conti, C; Gonzalez, MC; **Bautista G**; et al. Clinical Detection of Major and Minor Craniofacial Anomalies that may be associated with birth defects in schoolchildren from Colombia. In: Florida, USA. May 5-10, 2013. Event: 12th International Congress on Cleft Lip/Palate and Related Craniofacial Anomalies.
- Pereira, Y; **Bautista G**; et al. *Bone Graft Evaluation in UCLP Individuals- Correspondence of two Radiographic Techniques*. In: San José, California, USA. April 17-21, 2012. Event: 69th Annual Meeting of the American Cleft Palate-Craniofacial Association.
- Castaño-Duque S.P; **Bautista G**; et al. *Direct versus photographic caries assessment using the ICDAS criteria in orthodontic patients*. In: Kaunas, Lithuania. July 6-9 2011. Event: 58th Annual ORCA Congress. Abstract 104 in: *Caries Res* 2011;45:217.
- Wolff, A; **Bautista, G**; et al. "Efficacy and safety of an intraoral electrostimulation device for Xerostomia relief"; In: Egmond aan Zee, Ut, Netherlands. May 22 – 25 2011; Event: *9th European Symposium on Saliva*.
- Gonzalez-Carrera M; **Bautista, G**; et al. Analysis of Bone Maturation State of the Cervical Vertebrae in X-profile Colombian Individuals with/without Cleft-Lip.Palate. In: Colombia. September 15-17 2011. *Event: XXII National Meeting of Dental Research*. Memories: Abstract 11. Pag 12.
- Marroquín-Leal MF, Ramírez-Uribe C, Tejada-Vasco K, Forero J, Niño J, Tamayo M, Bautista G. An Evaluation of Microleakage of 3 Root-End Filling Materials (MTA® PORTLAND and PORTLAND and Bi<sub>2</sub> O<sub>3</sub>). In: Colombia. September 14-16 2010. *Event: XXI National and VI Latin American Meeting of Dental Research*. Colombian Journal of Dental Research. Vol 1. No.3. Memories. Abstract 31.
- Gutiérrez-Collazos; Bautista G; et al. Human Dental Pulp Stem Cells Isolation and characterization for cryopreservation. In: Colombia. September 14-16 2010. *Event: XXI National and VI Latin American Meeting of Dental Research*. Colombian Journal of Dental Research. Vol 1. No.3. Memories: Abstract 72.



- Gonzalez M. C; **Bautista G**, et al. *Comparison of maxilar/Mandible Arches in Colombian Infants with/without Cleft-Lip-Palate*. In: Miami. USA. April 4, 2009. Event: International Association for Dental Research (IADR).
- Pereira Y.; **Bautista G**; et al. *Variation on the Eruption Pattern of the Canines in Patients with Unilateral Cleft Lip and Palate compared to Noncleft"*. In: Philadelphia, Pennsylvania. USA. April 24-28. 2008. Event: 65th Annual Meeting of the American Cleft Palate-Craniofacial Association.
- Radiopacity Evaluation of three cements (PORTLAND, MTA®, AND PORTLAND WITH BISMUTH OXIDE) For Retrofilling in Endodontics. Cuesta-Abandonado, M.A; **Bautista, G**; et al. In: Colombia. September 25-27 2008. Event: XIX National and V Latin American Meeting of Dental Research. Memories: Abstract 22. Pag 15.
- Munevar J.C; **Bautista, G**; et al. In vitro Evaluation of Cell Viability and Proliferation of Human Dental Pulp Exposed to 3 Pulp Coating Biomaterials in Endodontics. In: Colombia. September 25-27 2008. Event: XIX National and V Latin American Meeting of Dental Research. Memories: Abstract 23. Pag 15.
- Wasserman, I; **Bautista, G**; et al. Effects of the early arch expansion in Class I crowding patients: a one year follow-up study. In: Colombia. September 25-27 2008. Event: XIX National and V Latin American Meeting of Dental Research. Memories: Abstract 35. Pag 23.
- García Dilicio MA; **Bautista, G**; et al. Evaluation of Dimensional Variations of the Torque of new Brackets. In: Colombia. September 25-27 2008. Event: XIX National and V Latin American Meeting of Dental Research. Memories: Abstract 36. Pag 23.
- Pereira Y; **Bautista G**, et al. *Variation in the eruption pattern of the canines in patients with cleft lip and unilateral and bilateral cleft palate*. In: Bogota, Colombia. Octubre 24 -25, 2008. Event: Meeting on Cleft Lip and Palate. Society of Plastic and Reconstructive Surgery.
- Castaño-Alzate J; **Bautista, G**; et al. Determination of Agreement between two methods for the Evaluation of Radiopacity of dental Materials: Radiovisograph and Photodensitometer. In: Colombia. September 27-29. 2007. Event: XVIII Annual National Dental Research Meeting Colombian Associations of Dental Schools- ACFO. Memories: Abstract 20. Pag 14.
- Sarria, M.F; **Bautista, G**; et al. Evaluation of Dimensional Variations of Slot Heights of New Brackets. In: Colombia. September 27-29. 2007. Event: XVIII Annual National Dental Research Meeting Colombian Associations of Dental Schools- ACFO. Memories: Abstract 42. Pag 26.
- Sarria, M.F; **Bautista, G**; et al. Effects of Recycling and Clinical Use in the properties load- deflections of alloy Wires. Nickel-Titanium. In vivo Study. In: Colombia. September 27-29. 2007. Event: XVIII Annual National Dental Research Meeting Colombian Associations of Dental Schools- ACFO. Memories: Abstract 43. Pag 27.
- Ballut, D; **Bautista, G**; et al. In vitro Evaluation of Microfiltration of Two Techniques: Total Etching and Self-Etching in Premolars with Class II Preparations with Bevel on Enamel – 2 Commercial Distributors. In: Colombia. September 27-29. 2007. Event: XVIII Annual National Dental Research Meeting Colombian Associations of Dental Schools- ACFO. Memories: Abstract 73. Pag 46.

- Uribe, D; **Bautista, G**; et al. Agronomic potential of native isolates of *Pseudomonas fluorescens* cultures from *Solanum* sp. as phosphate solubilizing and antagonists of *Rhizoctonia solani*. In: Colombia. 2006. *Event: XLVI Annual Meeting American Phytopathology Society Caribbean Division. XXVII Colombian Association of Phytopathology Congress.*
- Martignon, S. Ekstrand K.R. Lemos, M.I. Lozano, M.P. Higuera, C. Mora, I. Bautista, G. Oral Health State in Patients with Orthodontic Treatment: Visual Examination using ICDAS and OPI Diagnosis Criteria. In: Colombia. September 14-16 2006. *Event: XVII Annual National Dental Research Meeting Colombian Associations of Dental Schools- ACFO. Memories. Abstract 27.*
- Pardo, M.A. Pedraza, E.P. Mora, I. Bautista, G. Sources of variation in Transversal Skeletal Malocclusions. In: Colombia. September 14-16 2006. *Event: XVII Annual National Dental Research Meeting Colombian Associations of Dental Schools- ACFO. Memories. Abstract 28.*
- **Bautista, G**; Romero, M.C; et al. *Phenotypic Identification of Expression Cellular Model in the Pathogenesis of Periodontitis in Advanced Stage.* - In: Colombia. 2004. *Event: XIV National and III Latinoamerican Dental Research Meeting. Colombian Association of Dentistry Schools.* - In: Colombia. 2003. *Event: I Iberoamerican Congress of Periodontics and IX Panamerican Congress of Periodontology.* In: Lima-Perú. October 22-24 2003. *IX Panamerican Congress of Periodontics.* - In Colombia. 2004. *Event: VI Research Meeting in Basic Applied Sciences to Dentistry. Modeling Development and Regeneration of Biological Processes: A Systemic Perspective, Javeriana University.* - In: Colombia. 2005. *Event: XIII Research Institutional Congress. El Bosque University.*
- **Bautista, G.** *Application of Hierarchical Models in Periodontology. A Case Study.* In: Armenia, Colombia. 2003. *Event: Statistics applied to Health Sciences. Statistical Symposium. Universidad Nacional de Colombia.*
- Velandia, C; **Bautista, G**; et al. *Epidemiological study of dental caries and periodontal disease in the prison population of a detention center in Colombia.* In: Colombia. 2004. *Event: XIV and III Latinoamerican Meeting of Dental Research.*

### **Invited courses**

- Short-Course on "*Statistical analysis by using Microsoft Excel*" (with Henry Mendoza), Universidad Nacional de Colombia, In: District Colloquium of Mathematics and Statistics, 2003.

### **Professional Affiliations and Membership**

The American Statistical Association