

# Sandra Baena

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

1,688  
citations

394421

19  
h-index

330143

37  
g-index

44  
all docs

44  
docs citations

44  
times ranked

2320  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Efficiency of ammonia and phosphorus removal from a colombian agroindustrial wastewater by the microalgae <i>Chlorella vulgaris</i> and <i>Scenedesmus dimorphus</i> . <i>Bioresource Technology</i> , 1997, 60, 259-262.   | 9.6 | 310       |
| 2  | The Microbiome of Brazilian Mangrove Sediments as Revealed by Metagenomics. <i>PLoS ONE</i> , 2012, 7, e38600.  | 2.5 | 222       |
| 3  | <i>Aminobacterium colombiense</i> gen. nov. sp. nov., an Amino Acid-degrading Anaerobe Isolated from Anaerobic Sludge. <i>Anaerobe</i> , 1998, 4, 241-250.  | 2.1 | 130       |
| 4  | In-depth Characterization via Complementing Culture-Independent Approaches of the Microbial Community in an Acidic Hot Spring of the Colombian Andes. <i>Microbial Ecology</i> , 2012, 63, 103-115.   | 2.8 | 111       |
| 5  | <i>Aminobacterium mobile</i> sp. nov., a new anaerobic amino-acid-degrading bacterium.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2000, 50, 259-264.   | 1.7 | 87        |
| 6  | <i>Aminomonas paucivorans</i> gen. nov., sp. nov., a mesophilic, anaerobic, amino-acid-utilizing bacterium. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 1999, 49, 975-982.   | 1.7 | 83        |
| 7  | Structural and Functional Insights from the Metagenome of an Acidic Hot Spring Microbial Planktonic Community in the Colombian Andes. <i>PLoS ONE</i> , 2012, 7, e52069.  | 2.5 | 82        |
| 8  | Production of Polyunsaturated Fatty Acids and Lipids from Autotrophic, Mixotrophic and Heterotrophic cultivation of <i>Galdieria</i> sp. strain USBA-GBX-832. <i>Scientific Reports</i> , 2019, 9, 10791.   | 3.3 | 69        |
| 9  | Phylogenetic relationships of three amino-acid-utilizing anaerobes, <i>Selenomonas acidaminovorans</i> , <i>Selenomonas acidaminophila</i> ™ and <i>Eubacterium acidaminophilum</i> , as inferred from partial 16S rDNA nucleotide sequences and proposal of <i>Thermanaerovibrio acidaminovorans</i> gen. nov., comb. nov. and <i>Anaeromusa acidaminophila</i> gen. nov., comb. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 1999, 49, 969-974. | 1.7 | 68        |
| 10 | <i>Desulfomicrobium thermophilum</i> sp. nov., a novel thermophilic sulphate-reducing bacterium isolated from a terrestrial hot spring in Colombia. <i>Extremophiles</i> , 2007, 11, 295-303.   | 2.3 | 54        |
| 11 | Proteogenomic insights into salt tolerance by a halotolerant alpha-proteobacterium isolated from an Andean saline spring. <i>Journal of Proteomics</i> , 2014, 97, 36-47.   | 2.4 | 53        |
| 12 | <i>Aminiphilus circumscriptus</i> gen. nov., sp. nov., an anaerobic amino-acid-degrading bacterium from an upflow anaerobic sludge reactor. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2007, 57, 1914-1918.   | 1.7 | 51        |
| 13 | Salt Stress Induced Changes in the Exoproteome of the Halotolerant Bacterium <i>Tistlia consotensis</i> Deciphered by Proteogenomics. <i>PLoS ONE</i> , 2015, 10, e0135065.   | 2.5 | 47        |
| 14 | <i>Tistlia consotensis</i> gen. nov., sp. nov., an aerobic, chemoheterotrophic, free-living, nitrogen-fixing alphaproteobacterium, isolated from a Colombian saline spring. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2010, 60, 1437-1443.   | 1.7 | 34        |
| 15 | A novel cold active esterase derived from Colombian high Andean forest soil metagenome. <i>World Journal of Microbiology and Biotechnology</i> , 2012, 28, 361-370.   | 3.6 | 32        |
| 16 | A novel thermoalkalostable esterase from <i>Acidicaldus</i> sp. strain USBA-GBX-499 with enantioselectivity isolated from an acidic hot springs of Colombian Andes. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 8603-8616.  | 3.6 | 27        |
| 17 | <i>Desulfosoma caldarium</i> gen. nov., sp. nov., a thermophilic sulfate-reducing bacterium from a terrestrial hot spring. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2011, 61, 732-736.  | 1.7 | 26        |
| 18 | Neotropical Andes hot springs harbor diverse and distinct planktonic microbial communities. <i>FEMS Microbiology Ecology</i> , 2014, 89, 56-66.   | 2.7 | 21        |

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|----|--|-----|-----------|
| 19 | Taxonomic and functional assignment of cloned sequences from high Andean forest soil metagenome. <i>Antonie Van Leeuwenhoek</i> , 2012, 101, 205-215.  | 1.7 | 20        |
| 20 | <i>Caloramator quimbayensis</i> sp. nov., an anaerobic, moderately thermophilic bacterium isolated from a terrestrial hot spring. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013, 63, 1396-1402.  | 1.7 | 20        |
| 21 | <i>Dethiosulfovibrio salsuginis</i> sp. nov., an anaerobic, slightly halophilic bacterium isolated from a saline spring. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2010, 60, 850-853.   | 1.7 | 19        |
| 22 | Description of <i>Alicyclobacillus montanus</i> sp. nov., a mixotrophic bacterium isolated from acidic hot springs. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2018, 68, 1608-1615.  | 1.7 | 18        |
| 23 | Microbial diversity of saline environments: searching for cytotoxic activities. <i>AMB Express</i> , 2017, 7, 223.   | 3.0 | 17        |
| 24 | Description of a new anaerobic thermophilic bacterium, <i>Thermoanaerobacterium butyriciformans</i> sp. nov.. <i>Systematic and Applied Microbiology</i> , 2017, 40, 86-91.  | 2.8 | 14        |
| 25 | Draft genome and description of <i>Consotaella salsifontis</i> gen. nov. sp. nov., a halophilic, free-living, nitrogen-fixing alphaproteobacterium isolated from an ancient terrestrial saline spring. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 3744-3751. | 1.7 | 10        |
| 26 | <i>Salifodinibacter halophilus</i> gen. nov., sp. nov., a halophilic gammaproteobacterium in the family <i>Salinisphaeraceae</i> isolated from a salt mine in the Colombian Andes. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020, 70, 5888-5898.                     | 1.7 | 10        |
| 27 | Evaluation of biological production of lactic acid in a synthetic medium and in <i>Aloe vera</i> (L.) Burm. f. processing by-products. <i>Universitas Scientiarum</i> , 2015, 20, 369.   | 0.4 | 8         |
| 28 | Draft genome sequence of <i>Pseudomonas extremaustralis</i> strain USBA-GBX 515 isolated from Superparamo soil samples in Colombian Andes. <i>Standards in Genomic Sciences</i> , 2017, 12, 78.  | 1.5 | 7         |
| 29 | Peptidolytic microbial community of methanogenic reactors from two modified UASBs of brewery industries. <i>Brazilian Journal of Microbiology</i> , 2010, 41, 707-717.   | 2.0 | 6         |
| 30 | Colombian Andean thermal springs: reservoir of thermophilic anaerobic bacteria producing hydrolytic enzymes. <i>Extremophiles</i> , 2019, 23, 793-808.   | 2.3 | 5         |
| 31 | Modulation of the Biocatalytic Properties of a Novel Lipase from Psychrophilic <i>Serratia</i> sp. (USBA-GBX-513) by Different Immobilization Strategies. <i>Molecules</i> , 2021, 26, 1574.   | 3.8 | 5         |
| 32 | Mining lipolytic enzymes in community DNA from high Andean soils using a targeted approach. <i>Antonie Van Leeuwenhoek</i> , 2017, 110, 1035-1051.   | 1.7 | 4         |
| 33 | Response Surface Methodology (RSM) for analysing culture conditions of <i>Acidocella facilis</i> strain USBA-GBX-505 and Partial Purification and Biochemical Characterization of Lipase 505 LIP. <i>Universitas Scientiarum</i> , 2017, 22, 45.   | 0.4 | 4         |
| 34 | Genome Sequences of Actinobacteria from Extreme Environments in Colombia. <i>Microbiology Resource Announcements</i> , 2018, 7, .  | 0.6 | 3         |
| 35 | Bioactive Potential of Extracts of <i>Labrenzia aggregata</i> Strain USBA 371, a Halophilic Bacterium Isolated from a Terrestrial Source. <i>Molecules</i> , 2020, 25, 2546.   | 3.8 | 3         |
| 36 | Manantiales salinos: Inventarios de Diversidad Metabólica y filogenética de microorganismos de ambientes salinos. <i>Revista De La Academia Colombiana De Ciencias Exactas, Físicas Y Naturales</i> , 2015, 39, 358.   | 0.2 | 3         |

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|----|---|-----|-----------|
| 37 | ISOLATION OF LIPOLYTIC BACTERIA FROM COLOMBIAN ANDEAN SOILS: A TARGET FOR BIOPROSPECTING. Journal of Microbiology, Biotechnology and Food Sciences, 2017, 6, 1250-1256.                                   | 0.8 | 2         |
| 38 | Draft genome sequence of <i>Dethiosulfovibrio salsuginis</i> DSM 21565T an anaerobic, slightly halophilic bacterium isolated from a Colombian saline spring. Standards in Genomic Sciences, 2017, 12, 86. | 1.5 | 0         |