

CURRICULUM VITAE

Sanna Maria Sillankorva

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ACADEMIC DATA	2004-2008	Ph.D. in Chemical and Biological Engineering, University of Minho, Braga, Portugal
	2002-2004	M.Sc. in Environmental Technologies, University of Minho, Braga, Portugal
	1994-2000	Degree in Biological Engineering, University of Minho, Braga, Portugal

CAREER	2019 (ongoing)	Marie Skłodowska-Curie actions COFUND Research Fellow, Nano4Health Unit, INL International Iberian Nanotechnology Laboratory, Braga, Portugal
	2014-2018	Assistant Researcher at the Centre of Biological Engineering, University of Minho, Braga, Portugal
	2013	Visiting postdoctoral researcher at MIT, Timothy Lu lab, Synthetic Biology Group, Cambridge, Massachusetts, USA
	2009- 2013	Postdoctoral researcher at the Centre of Biological Engineering, University of Minho, Braga, Portugal
	2004-2008	Ph.D. Researcher at the Centre of Biological Engineering, University of Minho, Portugal; visiting period (2.5 years) at the Department of Process and Environmental Engineering, University of Oulu, Oulu, Finland; and visiting period (0.5 years) at the DNA Sequencing and Genomics Laboratory, University of Helsinki, Finland.
	2002-2004	M.Sc. Researcher of the POCTI/BIO/35683/99 project "Chemical and Biological Control of Biofilms" at the Centre of Biological Engineering, University of Minho, Braga, Portugal
	2000-2001	Project researcher - "Biological Removal of Nitrogen: from Biofilms to Bioreactors" (ref. TMR ERBFMRX-CT97-0114), University of Minho, Braga, Portugal

PROJECTS	PRINCIPAL INVESTIGATOR	-Project "Development of an anti-pseudomonal product based on genetically modified phages for the control of <i>Pseudomonas aeruginosa</i> biofilms" financed by the Portuguese Foundation for Science and Technology (ref. PTDC/EBB-BIO/114760/2009) -Project "Development of targeted synthetic phages for the control of food pathogens in foods" financed by the Portuguese Foundation for Science and Technology (ref. IF/01413/2013) -Project "Viral therapies for the control of anaerobic bacteria present in periodontal disease" financed by TecMinho (ref. 045/TT/2014)
	CO-PI	-Co-PI of the project "PhageSTEC - Development of a formulation of encapsulated bacteriophages to reduce enterotoxigenic <i>E. coli</i> in ruminants" financed by the Portuguese Foundation for Science and Technology/Portugal2020/COMPETE (ref. OCI-01-0145-FEDER-029628)
	PROJECT MEMBER	-Project SynPhage-Construction of synthetic phages to combat infectious bacterial diseases (PTDC/BBB-BSS/6471/2014) -Project TrueLyse: lysin properties adapted to cold temperatures (PTDC/AGR-ALI/121057/2010)

-Project PhageFoodSafe Development of a phage-based product to control Salmonella and Campylobacter in foodstuffs and food processing surfaces (PTDC/AGR-ALI/100492/2008)
-European Project PhageVet-P Veterinary phase therapies as alternatives to antibiotics in poultry production (FP6-2003-Food-2-A:007224)
-Project Biological Removal of Nitrogen: from Biofilms to Bioreactors" (ref. TMR ERBFMRX-CT97-0114), University of Minho, Braga, Portugal

SUPERVISION

Postdoctoral	<i>Completed:</i> supervision of two researchers with grants from NORTE-01-0145-FEDER-000004, RECI/BBB-EBI/0179/2012; supervision of one researcher granted by UID/BIO/04469, POCI-01-0145-FEDER-006684
Ph.D.	Ongoing: supervision of three researchers with work plans entitled: "Engineered biopolymeric scaffolds for species targeted antibacterial and antibiofilm action in chronic wounds" (SFRH/BD/138138/2018); "Development of a new approach to control otitis media pathogens" (SFRH/BD/128825/2017); "Development of bio-based structures for bacteriophages encapsulation and their use in food systems (SFRH/BD/122897/2016)" <i>Completed:</i> supervision of one researcher: work plan: "Enhancement of <i>P. aeruginosa</i> biofilm control by genetically modified bacteriophages" (SFRH/BD/76440/2011); "Using synthetic biology tools to create a library of effective phages for <i>Salmonella</i> control in foods" (SFRH/BD/94434/2013)
M.Sc.	<i>Completed:</i> supervision of 17 students – work plans: "Development of bacteriophage-loaded micro/nanostructures using microfluidics"; "Isolation and characterization of bacteriophages for otitis media pathogens"; "Micro- and nano-encapsulation of <i>Salmonella</i> phage phi68 for use in food packaging", " <i>In vitro</i> evaluation of an anti-biofilm product: a combination between Portuguese honey and bacteriophages"; "Evaluation of the antimicrobial activity of a bacteriophage-honey formulation in <i>ex vivo</i> skin models"; "Antimicrobial assessment of phages entrapped in bio-based structures"; "Phage therapy to control periodontal disease", "Developing an antimicrobial product with Portuguese honey and bacteriophages"; "Construction of an innocuous phage", "Novel antimicrobial food packaging systems using bacteriophages"; "Characterization of <i>Proteus mirabilis</i> bacteriophages and their action against biofilms"; "Valorization of ovoproduct waste to obtain added value products for the biomedical and food industry"; "Phage therapy for biofilm bacteria found in chronic wounds"; "Evaluation of the combined phage-antibiotic therapy for the control of infectious biofilms"; "Evaluation of phages against <i>Salmonella</i> Enteritidis planktonic cultures, biofilms and <i>in vitro</i> infected poultry meats"; "Evaluation of the efficacy of phage therapy in the control of mixed infectious biofilms", Use of bacteriophages for the control of biofilms formed in industrial environments"
Project	<i>Completed:</i> supervision of two project researchers (ref. PTDC/EBB-BIO/114760/2009; 2011-2013, 2013-2014)
Visiting PhD	<i>Completed:</i> supervision of a visiting Ph.D. students from the Fundació Universitat Rovira I Virgili, Spain (2014); supervision of a visiting Ph.D. student from the Institute of Immunology and Experimental Therapy, Polish Academy of Sciences, Wrocław, Poland (2015)

TEACHING

2012- 2018	Lecturer of different courses of the Integrated Masters in Biological Engineering, Integrated Masters in Biomedical Engineering, Masters in Biotechnology, University of Minho, Portugal (Lectures: Advanced Techniques in Bioengineering, Integrated
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laboratories II, Biological Risks and Resources, Molecular Biotechnology, Introduction to Bioengineering, Bioprocess Engineering Laboratories, Transfer Phenomena laboratories, Transfer and Material Phenomena laboratories)
2006-2007 Invited lecturer, Bioprocess Engineering course "Introduction to Environmental Engineering", and Advanced Course in Biotechnology on "Bacteriophages", University of Oulu, Finland University of Oulu, Finland

PUBLICATIONS and ORAL PRESENTATIONS

Author of >40 scientific papers in international peer-reviewed journals, 13 book chapters (reviews and protocols), 2 hard-cover books and 1 E-book, over 40 poster presentations at scientific conferences, and >10 oral presentations at national and international scientific conferences.

OTHER

Laboratory management and member of a department safety committee

2018	Executive Director of the Laboratory of Applied Health Microbiology, at the Centre of Biological Engineering, University of Minho, Braga, Portugal
2015-2017	Executive Director of the Laboratory of Applied Microbiology, at the Centre of Biological Engineering, University of Minho, Braga, Portugal
2010-2015	Assistant Director of the Applied Microbiology Laboratory at the Centre of Biological Engineering, University of Minho, Braga, Portugal
2012-2016	Member of the Department of Biological Engineering Safety Committee

Editorial and review roles in Journals

Ongoing	Editorial Board of The Scientific World Journal, as part of the journal's Microbiology subject area
Ongoing	Review editor for Frontiers in Microbiotechnology, Ecotoxicology, and Bioremediation
Ongoing	Guest Associate Editor for Frontiers in Antimicrobials, Resistance and Chemotherapy
2017-2018	Research Topic Management: Antibiotic Alternatives and Combinational Therapies for Bacterial Infections, Frontiers in Microbiology

COMPLETE LIST OF PUBLICATIONS

62. Hodyra-Stefaniak K, Kaźmierczak Z, Majewska J, **Sillankorva S**, Miernikiewicz P, Międzybrodzki R, Górski A, Azeredo J, Lavigne R, Lecion D, Nowak S, Harhala M, Waśko P, Owczarek B, Dąbrowska K (2020) Natural and induced antibodies against phages in humans: induction kinetics and immunogenicity for structural proteins of PB1-related phages, *PHAGE: Therapy, Applications, and Research*, 1(2):91-99, <https://doi.org/10.1089/phage.2020.0004> **ORIGINAL ARTICLE (journal released in 2020)**
61. Novello J, **Sillankorva S**, Pires DP, Azeredo J, Wanke CH, Bianchi O, Tondo EC (2020) Inactivation of *Pseudomonas aeruginosa* in mineral water by P1 bacteriophage immobilized on ethylene-vinyl copolymer used as seal caps of plastic bottles, *Journal of Applied Polymer Science*, 12:235, doi: 10.1002/app.49009 **ORIGINAL ARTICLE (Q1, IF 2.188)**
60. Pinto AM, Cerqueira MA, Bañobre-Lopes M, Pastrana LM, **Sillankorva S**. (2020) Bacteriophages for chronic wound treatment: from traditional to novel delivery systems, *Viruses*, 10.3390/v12020235 **REVIEW ARTICLE (Q1, IF 3.816)**
59. Alves D, Cerqueira MA, Pastrana L, **Sillankorva S** (2020) Entrapment of a phage cocktail and cinnamaldehyde on sodium alginate emulsion-based films to fight food contamination by *Escherichia coli* and *Salmonella* Enteritidis, *Food Research International*, 128, 108791, <https://doi.org/10.1016/j.foodres.2019.108791> **ORIGINAL ARTICLE (Q1, IF 3.579)**
58. Milho C, Silva MD, Alves D, Oliveira H, Sousa C, Pastrana LM, Azeredo J, **Sillankorva S**. (2019) *Escherichia coli* and *Salmonella* Enteritidis dual-species biofilms: interspecies interactions and antibiofilm efficacy of phages, *Scientific Reports*, 9(1):18183, doi: 10.1038/s41598-019-54847-y **ORIGINAL ARTICLE (Q1, IF 4.011)**
57. Silva MD, **Sillankorva S** (2019) Otitis media pathogens – A life entrapped in biofilm communities, *Critical Reviews in Microbiology*, 10:1-18. doi: 10.1080/1040841X.2019.1660616, **REVIEW ARTICLE (Q1, IF 5.697)**
56. Milho C, Silva MD, **Sillankorva S** (2019) Biofilm Applications of Bacteriophages, section Agriculture, Food and Environmental Use of Bacteriophages, *In Bacteriophages - Biology, Technology, Therapy*. Ed. Harper D., Abedon S, Burrowes B, McConville M, Springer International Publishing, ISBN 978-3-319-41985-5, **BOOK CHAPTER**
55. Vilas Boas D, Almeida C, Azevedo N, **Sillankorva S**, Azeredo J (2019) Techniques to Assess Phage–Biofilm Interaction *In Bacteriophages: Methods and Protocols Volume IV, Methods Molecular Biology*, Vol. 1898, Eds. Clokie MRJ, Kropinski A, Lavigne R, ISBN 978-1-4939-8939-3, doi: 10.1007/978-1-4939-8940-9_11 **PROTOCOL ARTICLE**
54. **Sillankorva S**, Pereira MO, Henriques M (2019) Antibiotic Alternatives and Combinational Therapies for Bacterial Infections, *Frontiers in Microbiology*, doi: 10.3389/fmicb.2018.03359, **EDITORIAL ARTICLE (Q1, IF 4.019 2018)**
53. Milho C, Andrade M, Vilas Boas D, Alves D, **Sillankorva S** (2019) Antimicrobial assessment of phage therapy using a porcine model of biofilm infection, *International Journal of Pharmaceutics*, 557:112-123. doi: 10.1016/j.ijpharm.2018.12.004 **ORIGINAL ARTICLE (Q1, IF 4.214)**
52. Alves D, Marques A, Milho C, Costa MJ, Pastrana LM, Cerqueira MA, **Sillankorva S** (2019) Bacteriophage phiIBB-PF7A loaded on sodium alginate-based films to prevent microbial meat spoilage, *International Journal of Food Microbiology*, S0168-1605(18)30619-6. doi: 10.1016/j.ijfoodmicro.2018.11.026 **ORIGINAL ARTICLE (Q1, IF 4.27)**
51. Milho C, Silva MD, Melo LDR, Santos S, Azeredo J, **Sillankorva S** (2018) Control of *Salmonella* Enteritidis on food contact surfaces with bacteriophage PVP-SE2. *Biofouling* 1501475. doi: 10.1080/08927014.2018.1501475 **ORIGINAL ARTICLE (Q1, IF 2.786)**
50. Oliveira A, Sousa JC, Silva AC, Melo LDR, **Sillankorva S** (2018) Chestnut honey and bacteriophage application to control *Pseudomonas aeruginosa* and *Escherichia coli* biofilms: evaluation of an *ex vivo* wound model. *Frontiers in Microbiol*, 9:1725. doi: 10.3389/fmicb.2018.01725 **ORIGINAL ARTICLE (Q1, IF 4.019)**
49. **Sillankorva S** (2018) Isolation of bacteriophages for clinically relevant bacteria *In Bacteriophage therapy: from lab to clinical practice*, *Methods in Molecular Biology*, Vol. 1693. Ed. Azeredo J and Sillankorva S ISBN 978-1-4939-7394-1, *Methods Mol Biol*. 2018;1693:23-30. doi: 10.1007/978-1-4939-7395-8_3 **PROTOCOL ARTICLE**
48. Costa MJ, Marques AM, Pastrana LM, Teixeira JA, **Sillankorva S**, Cerqueira M (2018) Physicochemical properties of alginate-based films: effect of ionic crosslinking and manuronic and guluronic acid ratio, *Food Hydrocolloids*, 81:442-448. doi: 10.1016/j.foodhyd.2018.03.014 **ORIGINAL ARTICLE (Q1, IF 5.089)**

47. Melo LDR, França A, Brandão A, **Sillankorva S**, Cerca N, Azeredo J (2018) Assessment of Sep1virus interaction with stationary cultures by transcriptional and flow cytometry studies. *FEMS Microbiol Ecol* 94(10). doi: 10.1093/femsec/fiy143 **ORIGINAL ARTICLE (Q1, IF 3.495)**
46. Oliveira A, Ribeiro HG, Silva AC, Silva MD, Sousa JC, Rodrigues CF, Melo LDR, Henriques AF and **Sillankorva S** (2017) Synergistic Antimicrobial Interaction between Honey and Phage against *Escherichia coli* Biofilms. *Front. Microbiol.* 8:2407. doi: 10.3389/fmicb.2017.02407 **ORIGINAL ARTICLE, (Q1, IF 4.019)**
45. Oliveira H, Costa AR, Konstantinidis N, Ferreira A, Akturk E, **Sillankorva S**, Nemeč A, Shneider M, Dötsch A, Azeredo J (2017) Ability of phages to infect *Acinetobacter calcoaceticus*-*Acinetobacter baumannii* complex species through acquisition of different pectate lyase depolymerase domains. *Environ Microbiol* doi:1111/1462-2920.13970 **ORIGINAL ARTICLE (Q1, IF 4.974)**
44. Pires DP, Melo LDR, Vilas Boas D, **Sillankorva S**, Azeredo J (2017) Phage therapy as an alternative or complementary strategy to prevent and control biofilm-related infections, *Current Opinion in Microbiology*, 28;39:48-56, doi: 10.1016/j.mib.2017.09.004 **REVIEW ARTICLE (Q1, IF 6.710)**
43. Pires DP, Dotsch A, Anderson EM, Hao Y, Khursigara CM, Lam JS, **Sillankorva S**, Azeredo J (2017) A genotypic analysis of five *P. aeruginosa* strains after biofilm infection by phages targeting different surface receptors. *Front Microbiol.* Jun 30;8:1229 doi: 10.3389/fmicb.2017.01229 **ORIGINAL ARTICLE (Q1, IF 4.019)**
42. Pinto G, Silva MD, Peddey M, **Sillankorva S**, Azeredo J (2016) The role of bacteriophages in periodontal health and disease. *Future Microbiol.* 2016 Oct;11:1359-1369 **REVIEW ARTICLE (Q1, IF 3.190)**
41. Oliveira H, Vilas-Boas D, Kluskens L, Mesnage S, Lavigne R, **Sillankorva S**, Secundo F, Azeredo J. (2016) Structural and enzymatic characterization of ABgp46, a novel bacteriophage endolysin with a broad anti-Gram-negative bacterial activity. *Front. Microbiol.* 26;7:208. doi: 10.3389/fmicb.2016.00208 **ORIGINAL ARTICLE (Q1, IF 4.019)**
40. Vilas Boas D, Almeida C, **Sillankorva S**, Nicolau A, Azeredo J, Azevedo N (2016) Discrimination of bacteriophage infected cells using locked nucleic acid fluorescent *in situ* hybridization (LNA-FISH). *Biofouling*, 32(2):179-90, doi: 10.1080/08927014.2015.1131821 **ORIGINAL ARTICLE (Q1, IF 3.415)**
39. Melo LDR, Veiga P, Cerca N, Kropinski A, Almeida C, Azeredo J, **Sillankorva S** (2016) Development of a phage cocktail to control *Proteus mirabilis* catheter-associated urinary tract infections. *Frontiers in Microbiology*, 7:1024, 10.3389/fmicb.2016.01024 **ORIGINAL ARTICLE (Q1, IF 4.076)**
38. Pires DP, Oliveira H, Melo LDR, **Sillankorva S**, Azeredo J (2016) Bacteriophage depolymerases: a review of their diversity and biotechnological applications. *Applied Microbiology & Biotechnology*, 100(5):2141 **REVIEW ARTICLE (Q1, IF 3.42)**
37. Pires DP, Cleto S, **Sillankorva S**, Azeredo J, Lu TK (2016) Genetically engineered phages – a review of advances over the last decade. *Microbiol Mol Biol Rev*, 80(3):523-43, doi: 10.1128/MMBR.00069-15 **REVIEW ARTICLE (Q1, IF 14.533)**
36. Melo LDR, Oliveira O, Santos S, **Sillankorva S**, Azeredo J (2016) Developing phages against infectious diseases *In* *Bioprospecting – successes, potential and constraints*. Ed. Paterson RRM, Lima N, Springer Protocols, Humana Press, part of Springer Science Business Media **BOOK CHAPTER**
35. Oliveira H, **Sillankorva S**, Merabishvili M, Kluskens LD, Azeredo J (2015) Unexploited opportunities for phage therapy. *Frontiers in Pharmacology*, section Pharmaceutical Medicine and Outcomes Research, 6:180, doi: 10.3389/fphar.2015.00180 **OPINION ARTICLE (Q1, IF 4.400)**
34. Pires S, **Sillankorva S**, Kropinski A, Lu T, and Azeredo J (2015) Complete Genome Sequence of *Pseudomonas aeruginosa* phage vB_PaeM_CEB_DP1. *Genome Announcements*, genomeA00918-15 **ORIGINAL ARTICLE (Q3, IF 1.180)**
33. Pires D, Vilas Boas D, **Sillankorva S**, Azeredo J (2015) Phage therapy: a step forward in the treatment of *Pseudomonas aeruginosa* infections. *Journal of Virology*, doi: 10.1128/JVI.00385-15 **REVIEW ARTICLE (Q1, IF 4.606)**
32. Melo LDR, **Sillankorva S**, Ackermann H-W, Kropinski AM, Azeredo J, Cerca N (2014) Characterization of *Staphylococcus epidermidis* vB_SepS_SEP9 - a unique member of the *Siphoviridae* family, *Research in Microbiology* 165:679-685, doi: 10.1016/j.resmic.2014.09.012 **ORIGINAL ARTICLE (Q1, IF 2.705)**
31. Oliveira, H, Thiagarajan V, Walmagh M, **Sillankorva S**, Lavigne R, Neves-Petersen M, Kluskens L, Azeredo J (2014) Thermostable Salmonella Phage Endolysin, Lys68, with Broad Bactericidal Properties against Gram-Negative Pathogens in Presence of Weak Acids, *PlosOne* 9(10):e108376, doi: 10.1371/journal.pone.0108376 **ORIGINAL ARTICLE (Q1, IF 3.234)**
30. Pires D, Kropinski A, Azeredo J, and **Sillankorva S** (2014) Complete Genome Sequence of the *Pseudomonas aeruginosa* Bacteriophage phiBB-PAA2, *Genome Announcements*, genomeA01102-13R1, doi: 10.1128/genomeA.01102-13 **ORIGINAL ARTICLE (Q3, 1.440)**

29. Melo LDR, **Sillankorva S**, Ackermann H-W, Kropinski AM, Azeredo J, Cerca N. (2014) Isolation and characterization of a new *Staphylococcus epidermidis* broad-spectrum bacteriophage. *Journal of General Virology*, **95**, 506–515, doi: 10.1099/vir.0.060590-0 **ORIGINAL ARTICLE (Q1, IF 3.183)**
28. Azeredo J, **Sillankorva S** (2014) Chapter 3: Bacterial Biofilms: Clinical Impact, Formation and Control *In* *Clinical Biofilms – current concepts and advanced techniques*, Ed. Pereira MO, Henriques M, Cerca N, Azeredo J, Universidade do Minho – DEB, Braga, Portugal, ISBN: 978-989-97478-4-5. **BOOK CHAPTER**
27. Lopes S, Costa AR, Pires DP, **Sillankorva S** (2014) Chapter 7: Biofilm formation methods *In* *Clinical Biofilms – current concepts and advanced techniques*, Ed. Pereira MO, Henriques M, Cerca N, Azeredo J, Universidade do Minho – DEB, Braga, Portugal, ISBN: 978-989-97478-4-5. **BOOK CHAPTER**
26. Vilas Boas D, Alves D, Almeida C, **Sillankorva S**, Nicolau A (2014) Chapter 9: Microscopy techniques for the study of biofilms *In* *Clinical Biofilms – current concepts and advanced techniques*, Ed. Pereira MO, Henriques M, Cerca N, Azeredo J, Universidade do Minho – DEB, Braga, Portugal, ISBN: 978-989-97478-4-5. **BOOK CHAPTER**
25. **Sillankorva S**, Azeredo J (2014) Bacteriophage attack as an anti-biofilm strategy *In* *Microbial Biofilms, Methods in Molecular Biology, Springer Protocols, Humana Press, part of Springer Science Business Media*, 1147:277-285. doi: 10.1007/978-1-4939-0467-9_20 **PROTOCOL ARTICLE**
24. **Sillankorva S**, Azeredo J (2014) The use of bacteriophages and bacteriophage-derived enzymes for clinically relevant biofilm control *In* “Phage Therapy: Current Research and Applications”. Eds. Borysowski J, Miedzybrodzki R and Górski A, Caister Academic Press, ISBN: 978-1-908230-40-9. **BOOK CHAPTER**
23. Azeredo J, **Sillankorva S**, Pires DPP (2014) *Pseudomonas* phage isolation and production *In* *Pseudomonas Methods and Protocols, Methods in Molecular Biology Series, Springer Protocols, Humana Press, part of Springer Science Business Media, Vol. 1149:23-32. ISBN 978-1-4939-0472-3, doi: 10.1007/978-1-4939-0473-0_4* **PROTOCOL ARTICLE**
22. Pires D, Silva S, Henriques M, Anderson EM, Lam JS, **Sillankorva S**, Azeredo J. (2013) Evaluation of the ability of *C. albicans* to form biofilm in the presence of *P. aeruginosa* phage resistant phenotypes. *Biofouling*. doi: 10.1080/08927014.2013.831842 **ORIGINAL ARTICLE (Q1, IF 3.701)**
21. **Sillankorva S**, Oliveira H, Azeredo J. (2012) Bacteriophages and their role in food safety. *International Journal of Microbiology*, 2012(2012): ID 863945. doi: 10.1155/2012/863945 **REVIEW ARTICLE (Q2, IF 1.910)**
20. **Sillankorva S**, Kropinski AK, Azeredo J. (2012) Complete genome sequence of the broad-host range *Pseudomonas* phage Phi-S1. *Journal of Virology*, **86**(18), 10239 doi: 10.1128/JVI.01605-12 **ORIGINAL ARTICLE (Q1, IF 5.076)**
19. Melo LDR, **Sillankorva S**, Azeredo J (2012) Fagos no controlo de infeções. *Microbiologia, Portuguese Society for Microbiology Magazine* (1) 01.08c. **PORTUGUESE MAGAZINE**
18. Melo LDR, **Sillankorva S**, Azeredo J (2012). “Uso de bacteriófagos para o controlo de biofilmes”. *In* *Biofilmes – Na saúde, no ambiente, na indústria* (Ed. Azevedo N. F. and N. Cerca) pp:227-236. Publindústria, Porto. ISBN:978-972-8953935 **BOOK CHAPTER**
17. **Sillankorva S**, Pires D, Oliveira H, Neubauer P, Azeredo J (2011) The influence of *P. fluorescens* cell morphology on the lytic performance and production of phage phiBB-PF7A. *Current Microbiology*, **63**(4):347-353 doi: 10.1007/s00284-011-9987-0 **ORIGINAL ARTICLE (Q2, IF 1.815)**
16. Pires D, **Sillankorva S**, Faustino A, Azeredo J (2011) Use of newly isolated phages for the control of *Pseudomonas aeruginosa* PAO1 and ATCC10145 biofilms. *Research in Microbiology*, **162**:798-806 doi: 10.1016/j.resmic.2011.06.010 **ORIGINAL ARTICLE (Q1, IF 2.763)**
15. **Sillankorva S**, Kluskens L, Linghorn E, Kropinski, AM, Neubauer P, Azeredo J (2011) The complete genome sequence of bacteriophage phiBB-PF7A for *Pseudomonas fluorescens*. *Virology Journal*, **8**:142 doi:10.1186/1743-422X-8-142 **ORIGINAL ARTICLE (Q2, IF 3.350)**
14. **Sillankorva S**, Oliveira D, Moura A, Henriques M, Faustino A, Nicolau A, Azeredo J (2010) Efficacy of a broad host range lytic bacteriophage against *E. coli* adhered to urothelium. *Current Microbiology*, **62**(4):1128-32 doi: 10.1007/s00284-010-9834-8 **ORIGINAL ARTICLE (Q2, 1.510)**
13. Santos S, Fernandes E, Carvalho CM, **Sillankorva S**, Krylov VN, Pleteneva EA, Shaburova OV, Nicolau A, Ferreira EC, Azeredo J (2010) Selection and characterization of a multivalent *Salmonella* phage and its production in a non-pathogenic *E. coli* strain. *Applied and Environmental Microbiology*, **76**(21):7338-7342 doi: 10.1128/AEM.00922-10 **ORIGINAL ARTICLE (Q1, IF 3.778)**
12. **Sillankorva S**, Neubauer P, Azeredo J (2010) Phage control of dual species biofilms of *Pseudomonas fluorescens* and *Staphylococcus lentus*. *Biofouling*, **26**(5): 567-575 doi: 10.1080/08927014.2010.494251 **ORIGINAL ARTICLE (Q1, IF 3.333)**
11. **Sillankorva S**, Pleteneva E, Shaburova O, Santos S, Carvalho C, Azeredo J, Krylov V. (2010) *Salmonella* Enteritidis bacteriophage candidates for phage therapy of poultry. *Journal of Applied Microbiology*. **108**(4):1175-86 doi: 10.1111/j.1365-2672.2009.04549.x **ORIGINAL ARTICLE (Q1, IF 2.365)**

10. Santos SB, Carvalho CM, **Sillankorva S**, Nicolau A, Ferreira EC, Azeredo J. (2009) The use of antibiotics to improve phage detection and enumeration by the double-layer agar technique. *BMC Microbiology*. **23**:9:148 doi: 10.1186/1471-2180-9-148 **ORIGINAL ARTICLE (Q1, IF 2.890)**
9. Oliveira A, **Sillankorva S**, Quinta R, Henriques A, Sereno R, Azeredo J. (2009) Isolation and characterization of bacteriophages for avian pathogenic *E. coli* strains. *Journal of Applied Microbiology*. **106**(6):1919-27 doi: 10.1111/j.1365-2672.2009.04145.x **ORIGINAL ARTICLE (Q1, IF 2.098)**
8. **Sillankorva S**, Neubauer P, Azeredo J (2008) *Pseudomonas fluorescens* biofilms subjected to phage ϕ IBB-PF7A. *BMC Biotechnology*, 8:79 doi: 10.1186/1472-6750-8-79 **ORIGINAL ARTICLE (Q1, IF 2.383)**
7. **Sillankorva S**, Neubauer P, Azeredo J (2008) Isolation and characterization of phage ϕ IBB-PF7A for *Pseudomonas fluorescens*. *BMC Biotechnology*, 8:80 doi: 10.1186/1472-6750-8-80 **ORIGINAL ARTICLE (Q1, IF 2.383)**
6. **Sillankorva S**, Oliveira R, Vieira MJ, Azeredo J (2008) Real-time quantification of *Pseudomonas fluorescens* removal from glass surfaces due to bacteriophage phi-S1 application. *Journal of Applied Microbiology* **105**(1):196-202 doi: 10.1111/j.1365-2672.2008.03743.x **ORIGINAL ARTICLE (Q1, IF 2.028)**
5. Simões M, Pereira MO, **Sillankorva S**, Azeredo J, Vieira MJ (2007) The effect of hydrodynamic conditions on the phenotype of *Pseudomonas fluorescens* biofilms. *Biofouling* **23**(4):249-258 doi: 10.1080/08927010701368476 **ORIGINAL ARTICLE (Q1, IF 3.707)**
4. Cerca N, Martins S, **Sillankorva S**, Jefferson K, Pier GB, Oliveira R, Azeredo J (2005) Effects of growth in the presence of sub inhibitory concentrations of dicloxacillin on *Staphylococcus epidermidis* and *Staphylococcus haemolyticus* biofilms. *Applied and Environmental Microbiology* **71**: 8677-8682 doi:10.1128/AEM.71.12.8677-8682.2005 **ORIGINAL ARTICLE (Q1, IF 4.475)**
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