

Name: Vinicius **Rosa**

Current Position: Associate Professor, Oral Sciences, National University of Singapore

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1. Current position and past employment history:

- Associate Professor, Oral Sciences, Faculty of Dentistry, National University of Singapore, Singapore (October 2012 – date)
- Faculty, NUS Centre for Advanced 2D Materials and Graphene Research Centre, Singapore (August 2013 – date)
- Faculty, Department of Materials Science, Faculty of Engineering, National University of Singapore, Singapore (March 2019 – date)
- Assistant Professor, Faculty of Dentistry, University of Passo Fundo, Brazil (November 2010 – September 2012).

2. Academic qualifications:

- **PhD:** Dental Materials, Faculty of Dentistry, University of São Paulo, São Paulo, Brazil (2010).
- **MSc:** Dental Materials, Faculty of Dentistry, University of São Paulo, São Paulo, Brazil (2007).
- **Postgraduate Diploma:** Public Health, School of Dentistry São Leopoldo Mandic, Campinas, Brazil (2007).
- **D.D.S.:** Doctor of Dental Science, Faculty of Dentistry, University of Passo Fundo, Brazil (2005).

3. Membership and Editorial Board

- International Association for Dental Research (Member, 2005 to date)
- Academy of Dental Materials (Member, 2006 to date)
- Journal of Dental Research (Editorial Board, 2018-2020)
- Journal of Endodontics (Scientific Advisory Board member, 2019 to date)

4. Relevant awards

- Academy of Dental Materials Student Award, 2005
- Academy of Dental Materials Paffenbarger Award, 2007
- IADR Hatton Award Southeast Asia Division, 2018

5. Top 5 publication (lead author only)

1. Functional odontoblastic-like cells from human iPSCs
Xie H, Dubey N, Shim W, Ramachandra C, **Rosa V***.
Journal of Dental Research, 2018;97:77-83 (IF:5.1, top 2% in Dentistry)
2. Graphene transfer to 3-dimensional surfaces: a vacuum-assisted dry transfer method.
Morin JLP, Dubey N, Decroix FED, Luong-Van EK, Castro Neto AH, Rosa V*.
2D Materials. 2017;4:025060. (IF: 7.4, top 10% in Material Science)

3. Graphene onto medical grade titanium: an atom-thick multimodal coating that promotes osteoblast maturation and inhibits biofilm formation from distinct species.
Dubey N, Ellepola K, Decroix FED, Morin JLP, Castro Neto AH, Seneviratne CJ, Rosa V*.
Nanotoxicology. 2018;12(4):274-89. (IF: 5.9, top 5% in toxicology)
4. Two and three-dimensional graphene substrates to magnify osteogenic differentiation of periodontal ligament stem cells
Xie H, Cao T, Viana Gomes JC, Castro Neto AH, **Rosa V***.
Carbon. 2015;93:266-75. (Impact factor: 7.3, top 10% in Material Science)
5. Dental pulp tissue engineering in full-length root canals (2013)
Rosa V, Zhang Z, Grande RHM, Nör JE*.
Journal Dental Research, 2013;92:970-5 (IF:5.1, top 2% in Dentistry)