

# Curriculum Vitae

## PERSONAL INFORMATION

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**Raghda Mohamed Magdy Mahmoud Abdelgawad**

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## SUMMARY

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As a seasoned dental clinician, academic, and researcher with a decade of clinical experience and two years dedicated to advanced research, I possess clinical dentistry (Endodontics), basic microbiology, and tissue culture expertise. My extensive background includes leading and collaborating on diverse research projects.

## EDUCATION AND QUALIFICATIONS

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- **Sept. 2021-Current** PhD student, Endodontic Department at Ain Shams University, Faculty of Dentistry, Cairo, Egypt.
- **Nov.2021-Current Postgraduate research visitor**, Joint supervision scholar in the PhD scholarship Program under the Newton-Mosharafa Fund at the University of Leeds, UK.
  - Performed basic microbiology methods.
  - Performed Biofilm development using Calgary device.
  - Performed RNA extraction from biofilm samples for NGS.
  - Performed basic cell culture methods.
  - Have good experience performing biochemistry assays such as colorimetric, fluorometric cell viability and cytotoxicity assays).
- **2017 MSc of Endodontics**, Faculty of Dentistry, Cairo University, Egypt
  - Thesis research Title (*Comparison of the Efficacy of Calcium Hydroxide Combined with Silver Nano Particulate and conventional Calcium Hydroxide Intracanal Medications on Post-Operative Pain in Symptomatic Root Canal Treatment Failure cases: A Randomized Clinical Trial*).
  - Passed all semesters and the Exit exam in March 2017 with a grade of B
- **2011** License for a dental practice, Egyptian Dental Union.
- **2010** B.D.S., Faculty of Dentistry, Cairo University.

## PROFESSIONAL EXPERIENCE

- **February 2019 – Nov. 2021:** *Assistant lecturer in the Department of Endodontics,* Faculty of Dentistry, Assiut University, Egypt.
  - Supervised over 200 internship and undergraduate students through weekly clinical practical sessions.
  - Participated in department meetings to provide input to colleagues about student achievement and improvement.
  - Attend weekly lectures to absorb the material and learn from lecturers in my department.
  - Assessed and looked after 200 students during preclinical lab sessions by working closely with staff and efficiently planning and coordinating work.
  - Instructed students in classroom and lecture environments and explained the importance of speech delivery and presentation.
  - Maintained excellent student relationships by providing supportive, helpful environments through organising educational seminars.
  - Assessed in the development of educational, engaging and innovative teaching materials.
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- **February. 2012- Oct. 2021:** Restorative Dentist and Endodontist at a private practice centre.
- **April 2012- February 2019** Dental General Practitioner at the Ministry of Health and Population, Cairo, Egypt.
- **Nov.2010-Oct.2011:** Internship at Cairo University Educational Dental Hospital.

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## Related skills

### Computer skills:

Proficient in Windows 10/11, Microsoft Office Suite, GraphPad Prism (8, 9).

### Academic Research skills

Academic writing, presentation, proposal development, experimental planning, data management, statistical analysis, lab maintenance.

### Teaching Skills

Student support, seminar management, performance evaluation, assignment grading, class management, tutorial planning, teaching material development, curriculum development.

## CONFERENCES AND COURSES ATTENDED

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- II Oral Biology Symposium University of Brasilia **June 2023**
- BiTEG scientific meeting Dec.2022 (poster presentation)
- PER-IADR September 2022 (poster presentation).
- Laboratory gases Safety Awareness (including piped systems) Workshop April 2022
- 5th Pan Arab Endodontic Conference: December 5-8, 2017
- Pan Endo 2019
- Evidence-based dentistry course (Continuing educational centre at Faculty of Oral and Dental Medicine).
- Research methodology course (Continuing educational centre at Faculty of Oral and Dental Medicine).
- Infection Control Course (May.2015) Faculty of Dentistry and Oral Medicine.

## AWARDS

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Newton-Mosharafa Joint Supervision Scholarship 2020, University of Leeds, UK.

## PUBLICATIONS

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Pectin as a Biomaterial in Regenerative Endodontics - Assessing Biocompatibility and Antibacterial Efficacy against Common Endodontic Pathogens: An Invitro study (Journal of Bioengineering 2024, www.mdpi.com/journal/bioengineering)

<https://doi.org/10.3390/bioengineering11070653>

## REFERENCES

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Available upon request