

Prof. Ensanya Ali Abou Neel

BDS, MSC, PhD, FHEA

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Researchgate: <https://www.researchgate.net/profile/Ensanya-Abou-Neel-2>

SUMMARY

Prof. Abou Neel is an expert in Biomaterials with experience in academia, clinical practice and research.

Her clinical background has provided her with great experience in dental practice and supervising students in Restorative Dentistry and Comprehensive Care Clinics at University of Sharjah, King Abdulaziz University and Tanta University.

Prof. Abou Neel is a fellow of higher education academy since 2011. She also attended several teaching courses that have a great impact on her teaching ability. This has provided her with valuable experience in lecturing, communicating with and supervising students. She also helped in the development of curriculum for undergraduate and postgraduate Biomaterials programs following the latest educational methodologies and state of art technological teaching aids. Furthermore, she has significantly contributed to the development and administration of accreditation standards that ensures continuous quality improvement of dental programs.

Prof. Abou Neel's scientific research interests centre on: modelling biomimetic remineralization of dentin using bioactive glasses and naturally-derived materials, injectable degradable antibacterial materials for hard tissue (bone & teeth) repair and drug delivery, and degradable/non-degradable composites for biomedical and tissue engineering applications. She sets up several national and international collaborations, attended numerous prestigious national and international conferences, and contributed many oral presentations and posters. She has, therefore, established an excellent publications record with several publications in high-impact factor Journals eg, Advanced Materials (32.9), Advanced Drug Delivery Review (15.47), Advanced Functional Materials (19.92), Biomaterials (15.3) and Acta Biomaterialia (8.947).

EMPLOYMENT

- 08/2020 – Present** * **Professor**, Preventive and Restorative Dentistry Department, Faculty of Dental Medicine, **University of Sharjah, United Arab Emirates**
* **Honorary Visiting Professor**, Biomaterials and Tissue Engineering Division, Eastman Dental Institute, **University College London, UK**
- 11/2017 – 08/2020** * **Professor**, Operative Dentistry Department, Biomaterials Division, Faculty of Dentistry, **King Abdulaziz University, Saudi Arabia**
- 08/2011 – 08/2020** * **Honorary Lecturer**, Biomaterials and Tissue Engineering Division, Eastman Dental Institute, **University College London, UK**
- 08/2013 – 11/2017** * **Associate Professor**, Operative Dentistry Department, Faculty of Dentistry, **King Abdulaziz University, Saudi Arabia**
- 01/2012 – 08/2013** * **Assistant Professor**, Operative Dentistry Department, Biomaterials Division, Faculty of Dentistry, **King Abdulaziz University, Saudi Arabia**
- 09/2011 – 01/2012** * **Senior Lecturer**, Biomaterials Department, Faculty of Dentistry, **Tanta University, Egypt**
- 04/2008 – 08/2011** * **Post-Doctoral Research Associate**, Biomaterials and Tissue Engineering Division, Eastman Dental Institute, **University College London, UK**
- 10/2005 – 04/2008** * **Post-Doctoral Research Associate**, Biomaterials and Tissue Engineering Division, Eastman Dental Institute, **University College London, UK**
- 03/2000 – 09/2002** * **Assistant Lecturer**, Biomaterials Department, Faculty of Dentistry, **Tanta University, Egypt**
- 02/1995 – 03/2000** * **Demonstrator**, Biomaterials Department, Faculty of Dentistry, **Tanta University, Egypt**
- 10/1993 – 10/1994** * **House Officer**, Faculty of Dentistry, **Tanta University, Egypt**

CURRENT POSITIONS AND RESPONSIBILITIES

- 08/2022-Current** **Member of response team to initial accreditation of the PhD program in Dental Sciences**
Co-Chair of Graduate Studies Committee, College of Dental Medicine, University of Sharjah, UAE
Member of Departmental Promotion Committee, College of Dental Medicine, University of Sharjah, Sharjah, UAE
- 08/2021-Current** **Director of PhD Program**, College of Dental Medicine, University of Sharjah, UAE
Chairperson of Curriculum Committee, College of Dental Medicine, University of Sharjah, Sharjah, UAE
Coordinator of Biomaterials and Biomimetic Research Group, College of Dental Medicine, University of Sharjah, Sharjah, UAE
- 08/2020- 08/2022** **Member of College and Departmental Promotion and Hiring Committee**, College of Dental Medicine, University of Sharjah, Sharjah, UAE

08/2021- 08/2022	Member of College Council Committee , College of Dental Medicine, University of Sharjah, Sharjah, UAE Member of Master of Dental Surgery Dissertation Examination Committee
08/2021- Current	Course Coordinator of Literature Review III MDS Program , College of Dental Medicine, University of Sharjah, Sharjah, UAE
08/2021- Current	Member of Scientific Committee of Women in Research Forum , University of Sharjah, Sharjah, UAE
08/2020- 08/2021	Member of Response Team to Accreditation Committee , College of Dental Medicine, University of Sharjah, Sharjah, UAE
08/2020- 08/2022	Member of Fact Finding Committee , College of Dental Medicine, University of Sharjah, Sharjah, UAE
03/2021- Current	Chair of Departmental Calibration Committee , College of Dental Medicine, University of Sharjah, Sharjah, UAE
08/2020- 08/2022	Chair of a Panel in Oral Exit Exam , College of Dental Medicine, University of Sharjah, Sharjah, UAE
08/2020- Current	Member of College of Dental Medicine Research Committee , College of Dental Medicine, University of Sharjah, Sharjah, UAE
08/2020- Current	Member of Biomimetic & Wound Healing Research Groups , College of Dental Medicine, University of Sharjah, Sharjah, UAE
08/2020-Current	Academic Advisor , College of Dental Medicine, University of Sharjah, Sharjah, UAE
07/2020-Current	Honorary Visiting Professor of Biomaterials and Tissue Engineering , Biomaterials and Tissue Engineering Division, Eastman Dental Institute, University College London, London, UK
08/2019-08/2020	Academic Director of Year 6 , Faculty of Dentistry, King Abdulaziz University, Jeddah, Saudi Arabia Academic Director of Comprehensive Care Clinics (CCC 600) , Faculty of Dentistry, King Abdulaziz University, Jeddah, Saudi Arabia A member of Examination Committee of Comprehensive Care Clinic 600 (CCC 600) , Faculty of Dentistry, King Abdulaziz University, Jeddah, Saudi Arabia
01-02/2020	Comprehensive Care Clinics (CCC 600) Session Manager , Faculty of Dentistry, King Abdulaziz University, Jeddah, Saudi Arabia
06-08/2019	Course Director for Pre-clinical Operative Dentistry Summer Course (CDS311) , Department of Restorative Dentistry, Faculty of Dentistry, King Abdulaziz University, Jeddah, Saudi Arabia

- 11/2017 – 08/2020** **Professor of Biomaterials**, Department of Restorative Dentistry, Faculty of Dentistry, King Abdulaziz University, Jeddah, Saudi Arabia
- 11/2017 – 08/2019** **Course Director for Master in Endodontics (DMS829)**, Department of Restorative Dentistry, Faculty of Dentistry, King Abdulaziz University, Jeddah, Saudi Arabia
- 08/2016 – 08/2020** **A member of Executive Committee for Advanced Technology Dental Research Laboratory, King Abdulaziz University**
- 08/2011 – 08/2020** **Honorary Lecturer of Biomaterials and Tissue Engineering**, Biomaterials and Tissue Engineering Division, Eastman Dental Institute, University College London, London, UK
- 08/2015 – 08/2020** **Academic Advisor For Undergraduate Students**, King Abdulaziz University, Saudi Arabia
- 08/2015 – 08/2020** **Research Supervisor For Undergraduate & Postgraduate Students**, King Abdulaziz University, Saudi Arabia
- 08/2013 – 08/2018** **A Coordinator of Examination Committee**, King Abdulaziz University, Saudi Arabia

EDUCATION

- 10/2021 - 01/2022** * **Basic Certificate in Health Professions Education**. University of Sharjah, UAE
- 09/2010 – 09/2011** * **PG Certificate in Teaching for Higher Education** [Module D EDUCGC02: Developing the Curriculum in Higher Education], **University College London, UK**
- 09/2009 – 09/2010** * **PG Certificate in Teaching for Higher Education** [Module A EDUCGC01: Exploring Learning in Higher Education], **University College London, UK**
- 09/2002 – 04/2006** * **Ph.D. in Biomaterials (Clinical Dentistry)**, Eastman Dental Institute, **University College London, UK**
- 09/1996 – 11/1999** * **M.Sc. in Prosthodontics**, Faculty of Dentistry, **Tanta University, Egypt**
- 09/1988 – 05/1993** **Bachelor Degree of Dental Medicine and Surgery (BDS)** with Honor degree, Faculty of Dentistry, **Tanta University, Egypt**

PROFESSIONAL RECOGNITION, AWARDS AND PRIZES

08/2022	Best research work in the 3 rd Forum for Women in Research. 25 th August 2022, University of Sharjah, Sharjah, United Arab Emirates
05/2022	Top 2% Scientist Worldwide as revealed by Stanford University Ranking, University of Sharjah, Sharjah, United Arab Emirates
08/2021	Excellence in Research Award in the 2 nd Forum for Women in Research (QUWA): Empowering Women in Research & Innovation. University of Sharjah. 26 th August 2021, Sharjah, United Arab Emirates.
05/2019	* 2nd Best senior clinical science poster award , “3D finite element analysis of single implant retained overdenture reinforced with short versus long framework”. King Abdulaziz University 5 th International Dental Conference. 21 st -24 th October, 2019, Jeddah, Saudi Arabia
	* 3rd Best poster presentation award , “Efficacy of natural experimental toothpastes on dentin remineralization: An in vitro study”. Saudi Dental Interns Research Forum/International Association for Dental Research IADR 2019, King Abdulaziz University, Jeddah, Saudi Arabia
2017	* Research Excellence Award , King Abdulaziz University, Saudi Arabia
2016	* Research Excellence Award , King Abdulaziz University, Saudi Arabia
2015	* Research Excellence Award , King Abdulaziz University, Saudi Arabia
2014	* Research Excellence Award , King Abdulaziz University, Saudi Arabia
09/2007	* Travel award to attend 21st European Society of Biomaterials Conference, Brighton (Awarding body: UCL Staff Conference Fund (£200))
09/2005	* Travel award to attend 19th European Society of Biomaterials Conference, Italy (Awarding body: Eastman Dental Institute Trustees EFFORT (Limerick award) (£320))
09/2005	* Travel award to attend 19th European Society of Biomaterials Conference, Italy (Awarding body: Eastman Graduate Student Conference Fund (£400))
09/2002 – 09/2006	* Governmental Scholarship to get PhD Degree from UCL (Awarding body: Egyptian Government (£ 80,000))
09/1989 – 05/1993	Outstanding Students Excellence Award (Awarding body: Tanta University (LE 200/year))

TEACHING EXPERIENCE

- **Biomaterials Science** for undergraduates and postgraduates (MScs, Boards...etc), Tanta University, Egypt and King Abdulaziz University, Saudi Arabia and University of Sharjah
- **Clinically Applied Biomaterials** for undergraduates and postgraduates (MScs, Boards...etc), Tanta University, Egypt and King Abdulaziz University, Saudi Arabia
- **Pre-clinical Operative Dentistry Course** for undergraduates King Abdulaziz University, Saudi Arabia

- **Literature Review III course for MDS2 in prosthodontics**, University of Sharjah
- **Operative Dentistry Course for MDS1 prosthodontics**, University of Sharjah
- **Continuing Professional Development Courses for Dentists**, University College London, UK

TEACHING COURSES ATTENDED

- | | |
|-------------|---|
| 2023 | <ol style="list-style-type: none"> 1. Using AI Chatbots in teaching and learning, 20th February 2023, University of Sharjah. 2. Uses of Artificial Intelligence in Medical Education. 9th February 2023, University of Sharjah 3. The Future of Education with AI Chatbots: Challenges, Opportunities and Implications. 8th February 2023, University of Sharjah. |
| 2022 | <ol style="list-style-type: none"> 4. Administrating online exams in ULTRA. 8th October 2022, University of Sharjah. 5. Induction Program 2022-2023 for New Faculty - Faculty Development Committee, Medical Education Center. 25th September 2022, University of Sharjah 6. 1st Health professions education publications forum (HPEP forum). How to improve fine motor skill learning in dentistry, 22th February 2022, University of Sharjah |
| 2021 | <ol style="list-style-type: none"> 7. Hybrid-flexible (HyFlex) instruction supporting student success in challenging times and beyond, 31st August 2021, University of Sharjah 8. Articulate story line, 4th & 6th July 2021, University of Sharjah. 9. Integrative learning experience: Backword course design Model. 14th February 2021, University of Sharjah |
| 2020 | <ol style="list-style-type: none"> 10. Student engagement at a time of change & transformation, 20th October 2020, The Institute of Leadership in Higher Education, University of Sharjah 11. Dental education & assessment during Covid-19 Pandemic– CPD, 30th November 2020, University of Sharjah 12. The women in research workshop: How to supervise PhD students. 15th November 2020, University of Sharjah 13. Participation & engagement tools. IT Center. 12th November 2020, University of Sharjah 14. How strong connection can create a healthy school. Anne Sophie & Dr Mansour Anwar. 04th November 2020, University of Sharjah 15. KAUFD protracting training session. 14th April 2020, King Abdulaziz University, Saudi Arabia (Online Course) 16. KAUFD virtual assessment workshop. 6th April 2020, King Abdulaziz University, Saudi Arabia (Online Course) 17. Quality assessment of questions and Blackborad reports. 5th April 2020, King Abdulaziz University, Saudi Arabia (Online Course) |

18. **Online Assessment: Tips and scenarios.** 11th March 2020, King Abdulaziz University, Saudi Arabia (Online Course)
19. **Blackboard and virtual classrooms workshop,** 11th March 2020, King Abdulaziz University, Saudi Arabia
20. **Workshop on Menhage program for curricula and study plan,** 23th Feb. 2020, King Abdulaziz University, Saudi Arabia
21. **Psychometric analysis of constructed response questions (CRQ),** 8-9th Feb. 2020, King Abdulaziz University, Saudi Arabia
- 2019 22. **Mentoring in academia, The key to inspire others,** 13th March 2019, King Abdulaziz University, Saudi Arabia
- 2018 23. **Multiplier or diminisher: How to bring out the best in your students?** 27th November 2018, King Abdulaziz University, Saudi Arabia
24. **Google suite for educational applications,** 4th-5th March 2018, King Abdulaziz University, Saudi Arabia
- 2017 25. **Making feedback a habit,** 28th December 2017, King Abdulaziz University, Saudi Arabia
26. **Mentoring in academia, The key to inspire others,** 26th-27th December 2017, King Abdulaziz University, Saudi Arabia
27. **Course design,** 8th-9th November 2017, King Abdulaziz University, Saudi Arabia
28. **Academic advising, let's work together,** 29th October 2017, King Abdulaziz University, Saudi Arabia
29. **Academic advising, let's work together,** 5th October 2017, King Abdulaziz University, Saudi Arabia
30. **Technology in education,** 28th-29th March 2017, King Abdulaziz University, Saudi Arabia
31. **Odus Plus, electronic registration, results registration and academic supervision, following up students' progress & saving/correction/certifying students information,** 22nd March 2017, King Abdulaziz University, Saudi Arabia
32. **Blue print,** 19th-20th March 2017, King Abdulaziz University, Saudi Arabia
33. **Thinking based learning,** 25th-26th January 2017, King Abdulaziz University, Saudi Arabia
34. **Assessment in healthcare (MCQ, exam blueprint, OSCE/OSPE, and Rubrics),** 22nd-23th January 2017, King Abdulaziz University, Saudi Arabia
35. **Facilitating large classes,** 16th – 17th January 2017, King Abdulaziz University, Saudi Arabia
36. **Quality standard in teaching,** 1st-2nd January 2017, Faculty and Leadership Development Center, Tanta University.
- 2016 37. **Dental ethics, professionalism and law in Saudi Arabia,** 19th -20th January 2016, King Abdulaziz University, Saudi Arabia

38. **Students counselling**, 27th **November 2016**, King Abdulaziz University, Saudi Arabia
- 2015 39. **Evidence based dentistry**, 20th **December 2015**, King Abdulaziz University, Saudi Arabia
40. **Teaching millennials: who are they and how do we deal with them?** 1st **December 2015**, King Abdulaziz University, Saudi Arabia
41. **Motivate students to learn**, 25-26th **November 2015**, King Abdulaziz University, Saudi Arabia
42. **Thinking based learning**, 24th-25th **February 2015**, King Abdulaziz University, Saudi Arabia
43. **Thinking based learning**, 7th-8th **February 2015**, King Abdulaziz University, Saudi Arabia
44. **Assessment in healthcare**, 1st-2nd **February 2015**, King Abdulaziz University, Saudi Arabia
45. **Assessment in healthcare (MCQ, exam blueprint, OSCE/OSPE, and Rubrics)**, 27th-28th **January 2015**, King Abdulaziz University, Saudi Arabia
46. **KAUFD competency statements and intended learning outcome**, 26th-27th **January 2015**, King Abdulaziz University, Saudi Arabia
47. **Blackboard**, 1st **January 2015**, King Abdulaziz University, Saudi Arabia
- 2014 48. **Academic supervision**, 24th **December 2014**, King Abdulaziz University, Saudi Arabia
49. **Item design**, 9th **December 2014**, King Abdulaziz University, Saudi Arabia
50. **Effective teaching techniques**, 11th **March 2014**, King Abdulaziz University, Saudi Arabia
51. **How to put an assessment plan which fulfils the standards. What are the characteristics of a good exam?**, 17th **February 2014**, King Abdulaziz University, Saudi Arabia
52. **Learning outcomes and KPI for NCAAA**, 6th **February 2014**, King Abdulaziz University, Saudi Arabia
53. **Psychometric item analysis; verification of the assessment process**, 4th **February 2014**, King Abdulaziz University, Saudi Arabia
54. **E-learning**, 5th **February 2014**, King Abdulaziz University, Saudi Arabia
55. **Ideal practice in curriculum design, implementation and assessment to ensure deep learning in dentistry students, 2014**, King Abdulaziz University, Saudi Arabia
- 2013 56. **Rethinking higher education....The teacher**, 23rd **November 2013**, King Abdulaziz University, Saudi Arabia
57. **E-Exam**, 21st **April 2013** King Abdulaziz University, Saudi Arabia
58. **Objective structured clinical examination**, 11th **March 2013**, King Abdulaziz University, Saudi Arabia

59. **Giving effective feedback**, 17th February 2013, King Abdulaziz University, Saudi Arabia
- 2012 60. **Multiple choice questions development and analysis**, 3rd - 5th December 2012, King Abdulaziz University, Saudi Arabia
61. **Examination view**, 19th & 26th November 2012, King Abdulaziz University, Saudi Arabia
- 2011 62. **Quality standard in teaching**, 6th-8th December 2011, Faculty and Leadership Development Center, Tanta University.
63. **Use of technology in teaching**, 22nd-24th November 2011, Faculty and Leadership Development Center, Tanta University.
- 2010 64. **UCL teaching and learning conference - PhD event**, 9th July 2010, University College London, UK
65. **Effective research student supervision**, 15th June 2010, University College London, UK
66. **An introduction to research student supervision at UCL**, 24th May 2010, University College London, UK
67. **“Supporting PhD writer’s**, 4th May 2010, University College London, UK
68. **“UCL debates in higher educations, PhD: Original contribution to knowledge?”** UCL, CALT, 24th March 2010, University College London, UK
69. **Helping masters students engage with their writing**, 23rd March 2010, University College London, UK
- 2009 70. **Object based learning**, 2nd April 2009, University College London, UK
- 2008 71. **Fundamental of teaching**, 3rd December 2008, University College London, UK
72. **Assessment for learning: 1-An introduction**, 18th November 2008, University College London, UK
73. **Fundamental of teaching**, 5th November 2008, University College London, UK
74. **Curriculum design I - How to design a course and write learning outcomes**, 28th October 2008, University College London, UK
75. **Fundamental of teaching**, 22nd October 2008, University College London, UK
76. **Fundamental of teaching**, 8th October 2008, University College London, UK
77. **Fundamental of teaching**, 1st October 2008, University College London, UK
- 2006 78. **PhD supervision level 1**, 13th October 2006, University College London, UK
- 2002 79. **Teacher preparation** (1month course), September – October 2002 Tanta University, Egypt

CLINICAL EXPERIENCE

- Providing patients care at Restorative Specialty Clinics, King Abdulaziz University, Saudi Arabia
- Clinical Supervisor – Restorative Clinics, King Abdulaziz University, Saudi Arabia

- Clinical Supervisor – Comprehensive Care Clinics, King Abdulaziz University, Saudi Arabia
- Supervisor – Pre-clinical, Restorative Phantom Lab., King Abdulaziz University
- Observer – Oral Medicine Clinics, Eastman Dental Institute, University College London, UK
- Providing patients care at Prosthodontics Clinics, Tanta University, Egypt

RESEARCH PROFILE, COLLABORATION AND SKILLS

Present Research Interests

- Modelling of dentin remineralization using bioactive glasses and naturally-derived materials
- Dentin hypersensitivity and dentinal tubules occlusion
- Antibacterial dental adhesives/composite materials
- Dentin cross-linking
- *Salvadora Persica* Extract as Intra-canal Medication
- Injectable cements/adhesives composites for bone repair and drug delivery
- Bioactive phosphate-based glasses/fibers for hard & soft tissue engineering
- Collagen/glass fiber constructs for hard & soft tissue engineering

International Collaboration

- Antibacterial and anticariogenic phosphate glasses – University of Liverpool
- Demineralization-remineralization of dentin, University of Toronto, Canada
- Antibacterial dental adhesives, University of Bath and University of Nottingham, UK.
- Bioactive glasses for hard and soft tissue applications, University College London, UK
- Cross-linked dentin and bond strength/dentin hypersensitivity and dentinal tubules occlusion – King Abdulaziz University, Saudi Arabia
- Biomedical composites for bone repair, Nottingham University, UK.
- Antibacterial phosphate glasses for treatment of osteomyelitis, University of Liverpool, UK.
- Surface modification of Nitinol alloy for biomedical application, Sydney University, Australia.
- Engineering micro-channels into collagen constructs with soluble phosphate glass fibers for neural tissue repair, University College London, UK.

LABORATORY SKILLS AND EXPERIENCE

Analytical Techniques:

* Degradation, ion release, pH changes, biaxial flexural strength, hardness, quasi-static compression, creep, dynamic mechanical analysis, uniaxial tensile test, surface characterization, thermal analysis, thermogravimetric analysis and mass loss, morphological characterization

Instrumentations

* Micro-CT, DSC, DTA/TGA, DMA, Dartec, Ion chromatography, microhardness tester, Instron, FTIR, Raman spectroscopy, XRD, contact angle measurement, AFM and tooth-brush simulator

Microscopy

* LM, SEM, and confocal

Materials Processing

* Polymer/composite synthesis, bioactive glass/fibers fabrication and modification, collagen preparation and modification

Cell Biology

* Cell culture, live/dead staining/cell viability, cell attachment, cell proliferation (Cyquant assay, and Alamar blue), differentiation (ALP activity, Osteocalcin assay)

* Cells: Human mesenchymal stem cells, HOS, MG63, primary osteoblasts, human gingival fibroblasts

Microbiology

* Agar diffusion assay, constant depth film fermenter (CDFF)

***In vivo* Models**

* Lapin fibula and tibia osteotomy model and subcutaneous implantation

RESEARCH SUPERVISION EXPERIENCE

▪ Postgraduate Students' Supervision

- Bone grafts properties regulating CD4+ T cells and Macrophage crosstalk leading to bone tissue regeneration and fibrosis: Osteoimmunology context of xenograft. PhD in Molecular Medicine and Translational Research, College of Medicine, University of Sharjah. Current.
- Internal and Marginal Fit of 3-D Printed Prefabricated Resin Composite Veneers Following a Digitally Guided Preparation Technique: An in Vitro Study. Master of Dental Surgery in Prosthodontics. Preventive and Restorative Dentistry Department, College of Dental Medicine, University of Sharjah, United Arab Emirates – Current.
- Fracture Resistance of Endodontically Treated Flared Root Canals with Different Post and Core Systems. Master of Dental Surgery in Prosthodontics. Preventive and Restorative Dentistry Department, College of Dental Medicine, University of Sharjah, United Arab Emirates – Current.

- Effect of Laser-Activated Irrigation on the Apical Sealing and Permeability of a Bioceramic Sealer into root canal dentinal tubules. Master of Dental Surgery in Endodontics. Preventive and Restorative Dentistry Department, College of Dental Medicine, University of Sharjah, United Arab Emirates – Current.
- Effect of Different Decontamination Regimes on Microstructure and Fracture Resistance of Zirconia Restorations. Master of Dental Surgery in Prosthodontics. Preventive and Restorative Dentistry Department, College of Dental Medicine, University of Sharjah, United Arab Emirates – Current.
- Enamel Remineralization Potential of Titanium-Doped Phosphate Glasses With/Without Er:YAG Laser Irradiation. Master of Dental Surgery in Prosthodontics. Preventive and Restorative Dentistry Department, College of Dental Medicine, University of Sharjah, United Arab Emirates – Current.
- Polymerization and Cytotoxicity of Different Resin Composites. Master of Dental Surgery in Prosthodontics. Preventive and Restorative Dentistry Department, College of Dental Medicine, University of Sharjah, United Arab Emirates – Current.
- Bonding of Composite Attachments to Ceramic Materials: An in vitro Study. Master in Orthodontics. Orthodontic Division, King Abdulaziz University, Saudi Arabia – Current.
- Biocompatibility and Antibacterial Action of *Salvadora Persica* Extract as Intra-Canal Medication. Endodontic Division, King Abdulaziz University, Saudi Arabia. Master in Endodontics. Completed.
- Characterization and Microbiological Studies of Tetracycline and Chlorhexidine-Releasing Brushite Cements. Biomaterials and Tissue Engineering Division, Eastman Dental Institute, University College London, UK (2008-2011)- Completed.
- Alveolar Bone Reservation with Brushite Cement. Biomaterials and Tissue Engineering Division, Eastman Dental Institute, University College London, UK - Completed.
- Development of Remineralizing, Antibacterial Dental Materials. Biomaterials and Tissue Engineering Division, Eastman Dental Institute, University College London, UK (2006-2011). Field supervision of PhD students – Completed.
- Adhesive Dental Composites - Biomaterials and Tissue Engineering Division, Eastman Dental Institute, University College London, UK (2006-2011). Field supervision of PhD students – Completed.
- Titanium Containing Bioactive Phosphate Based Glasses - Biomaterials and Tissue Engineering Division, Eastman Dental Institute, University College London, UK (2006-2011). Field supervision of PhD students – Completed.
- Sol-Gel Derived Hydroxyapatite, Fluorhydroxyapatite and Fluorapatite Coatings for Titanium Implants. Biomaterials and Tissue Engineering Division, Eastman Dental Institute, University College London, UK (2006-2011). Field supervision of PhD students – Completed.

- **Graduate Students' Supervision, University of Sharjah, United Arab Emirates**
 - Hydroxyapatite-Reinforced Polycaprolactone Nanoscaffold for Bone Guided Tissue Regeneration (GTR) Application. 2022-2023
 - Fracture Resistance and Cyclic Fatigue of endodontically treated teeth restored with bulk-fill, fiber-reinforced, and conventional resin composite: A comparative in vitro analysis. 2022-2023.
 - Social isolation associated with tooth loss among UAE individuals. 2022-2023
 - The evaluation of micro-tensile bond-strength of sound versus caries-affected dentin using TiO₂-doped phosphate glass filled dental adhesive: In-vitro study: Research Proposal. 2021-2022.
 - A Comparative Study of the Adhesion and Proliferation Ability of Dental Pulp Stem Cells on Dentin Treated with Different Chelating Agents: Research Proposal. 2021-2022.
 - Laser as an Alternative Caries Removal Method in Permanent Teeth and Dentin Bond Strength: A Systematic Review. 2021-2022.
 - The Efficacy and Postoperative Pain of Ultrasonic-versus Laser Activated Irrigation in Root Canal Treatment: A Systemic Review. 2021-2022.
 - Bleaching and pulp tissue reaction of permanent teeth: A systematic review. 2021-2022.
 - Evaluation of attachment and proliferation of dental pulp stem cells on collagen scaffold for dental pulp regeneration: an in vitro study. 2021-2022.
 - Wear Resistance and Abrasiveness of Different Restorative CAD/CAM Materials: A Systematic Review. 2021-2022.
- **Undergraduate Students' Supervision, University of Sharjah, United Arab Emirates**
 - Oral Hygiene Awareness and Practices Among a Sample of Elementary School Children in Sharjah, UAE. 2022-2023.
 - Dental care-related Challenges Experienced by Dentists and Parents of Special Needs Patients. 2022-2023.
 - Comparison Between the Bone Regeneration Potential of Bioglass and Hydroxyapatite in Bone Grafting; A Systematic Review. 2021-2022.
 - Carotid Artery Calcification Detected in Cone-Beam Computed Tomography and its Association with Ischemic Stroke: A systematic review. 2021-2022.
 - Oral and Craniofacial Manifestation of Thalassemia: A Systematic Review. 2021-2022.
- **Interns' Students' Supervision, King Abdulaziz University, Saudi Arabia**
 - Antibacterial and Remineralizing Action of Olive Oil and White Spot Lesions
 - Shear Bond Strength of Dentin Cross-linked with Vitamin C and Turmeric
 - Abrasion Resistance of Esthetic Resins Against Commercial Toothpaste Formulations
 - "Awareness and Utilization of Bulk-Fill Composite Among Dental Practitioners and Specialists in Saudi Arabia
 - Efficacy of Different Commercially Available Desensitizing Toothpastes on Dentinal Tubules Occlusion: An *in vitro* Study

- Efficacy of Natural Experimental Toothpastes on Dentin Remineralization: An in vitro Study
- Mechanical Properties of Different Commercially Available Dental Composites

EXAMINERSHIP

- 08/2021 - Current** * Internal examiner for Master of Dental Surgery Dissertation, College of Dental Medicine, University of Sharjah, Sharjah, United Arab Emirates
- Fatigue and Fracture Resistance of Multi-layered Translucent Zirconium Oxide and Lithium Disilicate Single Crown Restorations: A Comparative in Vitro Study
 - The antimicrobial properties of the titanium dioxide and graphene coating dental implant components
 - Reversal of Hydrogen Peroxide Induced Reduction in Resin-Dentin Bond Strength Using Non-Protein Thiols: In Vitro Study
 - Effect of Thickness and Cementation Technique on Fracture and Fatigue Resistance of Feldspathic Ultra-Thin Laminate Veneers
 - Efficacy of smear layer removal at the root tip using different protocols of erbium-doped yttrium aluminium garnet (ER: YAG) laser
 - Wear, Fatigue and Fracture Resistance of Different CAD/CAM Onlays as Abutments for Acetal Resin or Cobalt-Chromium Removable Partial Denture Framework
- 01/2012 – 08/2020** * Professional BDS examiner for Biomaterials for year 2 and 3, Faculty of Dentistry, King Abdulaziz University, Saudi Arabia
- 2018 – 08/2020** * Professional BDS examiner for pre-clinical (year 3), Faculty of Dentistry, King Abdulaziz University, Saudi Arabia
- 2017 – 08/2020** * Professional examiner for MSC students, Faculty of Dentistry, King Abdulaziz University, Saudi Arabia
- “The effect of different pediatric medications on selected physical properties of different restorative materials” “Online Discussion”
 - “Micro-Computerized Tomographic Analysis of Martensitic Phase Shapers of the Root Canal System”
 - “Influence of Different Movement Directions of Reciprocation and Continuous Rotation on the Cyclic Fatigue of Nickel-Titanium Endodontic Instruments”
 - “Effect of Irrigation Solutions on the Surface Characteristics and the Cyclic Fatigue Resistance of a Novel Reciprocating File”

- * Examiner for Intern students researches at International Association for Dental Research IADR 2019, 1-2nd May, King Abdulaziz University, King Fahd Research Center, Saudi Arabia
- * Examiner for Intern students researches at International Association for Dental Research IADR 2018, 1-2nd May, King Abdulaziz University, Saudi Arabia
- 2015 – 2017**
 - * Professional OSCE examiner for BDS year 4, 5 and 6, Faculty of Dentistry, King Abdulaziz University, Saudi Arabia
 - * Examiner for Dental Bridging Program students researches, Faculty of Dentistry, King Abdulaziz University, Saudi Arabia

ACADEMIC & PROFESSIONAL RESPONSIBILITIES

- 02/2022** * A member of Judging Committee for 10th ISDC International Students Dental Conference 2022, 7-8th February 2022, University of Sharjah.
- 01/2022** * A member of Judging Committee for IADR United Arab Emeritus Section for “Hatton Competition Travel Award. 5th January 2022, MBRU, Dubai Healthcare City, Dubai, UAE.
- 12/2021** * A member of Judging Committee for IADR Egyptian Section for “Hatton Competition Travel Award. Virtual Session.
- 05/2021** * A member of judging committee at The 17th Student Scientific Conference of College of Dentistry, Ajman University.
- 02/2021** * A member of Judging Committee for IADR Egyptian Section for “Hatton Competition Travel Award. Virtual Session.
- 10/2019**
 - * A member of Judging Committee for posters at 5th International King Abdulaziz University Dental Conference 21st-24th Oct. 2019, Jeddah, Saudi Arabia.
 - * A member of Judging Committee for “Hatton Competition Travel Award, IADR section” at 5th International King Abdulaziz University Dental Conference 21st-24th Oct. 2019, Jeddah, Saudi Arabia.
- 08/2019 – 08/2020** * A member of Curriculum Management Committee
- 08/2017 – 2019** * A member of OSCE Examination Committee
- 2018 – 2019**
 - * A member of “Multiple Mini Interviews, MMI”, committee for admission of new dental students at King Abdulaziz University
 - * Course Director for Operative Dentistry (CDS311)-Summer Course
- 08/2015 – 08/2019** * Course Director for Biomaterials Course for Endodontic Master students (DMS807) at King Abdulaziz University
- 08/2018 – 08/2020** * A member of ITP Scientific Committee of the Saudi Dental Interns Research Forum/ International Association for Dental Research IADR 2019, 1-2nd May, King Abdulaziz University, King Fahd Research Center, Jeddah, Saudi Arabia

- 08/2017 – 2018**
* A member of Organizing Committee of the Saudi Dental Interns Research Forum/ International Association for Dental Research IADR 2019, 1-2nd May, King Abdulaziz University, King Fahd Research Center, Jeddah, Saudi Arabia
- 08/2017 – 2018**
* A member of Judging Committee for Saudi Dental Interns Research Forum/ International Association for Dental Research IADR 2018, King Abdulaziz University
- 08/2013 – 2018**
* A member of Examination Committee at King Abdulaziz University
- 08/2012 – 2018**
* A member of Scientific Research Committee at King Abdulaziz University
- 08/2012 – 2015**
* Course Director for Biomaterials Course for undergraduate students (CDS233 & CDS333) at King Abdulaziz University
- 08/2011 – 2012**
* A member of “Curriculum Monitoring Committee” at King Abdulaziz University

ADMINISTRATIVE AND MANAGEMENT EXPERIENCE

- Developing and learning new skills in teaching and research project management
- Helping and managing undergraduate and postgraduate MSc and PhD students
- Coordinating monthly departmental seminars/meetings
- Writing grant proposals
- Managing research projects
- Performing teaching-related administrative work
- Maintaining the highest standards in academic administration activities
- Developing innovative strategies and logistics in academic administration

IT SKILLS

- Microsoft office applications (e.g. Word, Excel, PowerPoint & SigmaPlot)
- Bibliographical software's (e.g. Reference Manager & EndNote)
- Imaging/reconstruction packages (e.g. Photoshop, ImageJ, LazerVox, Image Pro-Plus, Coral Draw, Skyscan CTAN, Skyscan CT Vol, NReco Reconstruction, Disect)
- Statistical analysis (SPSS and analyse it)

PROFESSIONAL ACTIVITIES AND SCIENTIFIC CONTRIBUTIONS

Reviewer for the Following Journals

1. Advanced Materials
2. Advanced Functional Materials
3. Advanced Materials Interfaces
4. Advanced Engineering Materials
5. Advanced Healthcare Materials
6. Advanced Science
7. Acta Biomaterialia
8. Advances in Materials Science and Engineering
9. African Journal of Biotechnology
10. Analyst
11. Archivum Immunologiae et Therapiae Experimentalis
12. Biomedical Journals: Journal of Cytology and Histology
13. Colloids and Surfaces B: Biointerfaces
14. Chemistry of Materials
15. Current Tissue Engineering
16. Cell and Tissue Banking
17. Ceramics
18. International Journal of Nanomedicine
19. International Journal of Molecular Sciences
20. 2nd International Conference on Biomedical Engineering and Biotechnology (iCBEB 2013)
21. 4th International Conference on Biomedical Engineering and Biotechnology (iCBEB 2015)
22. International Journal of Biological Macromolecules
23. Journal of Applied Polymers
24. Journal of Applied Polymer Science
25. Journal of Biomaterials Applications
26. Journal of Non Crystalline Solids
27. Journal of the Royal Society Interface
28. Journal of Tissue Engineering
29. Journal of Biomedical Materials Research: Part A
30. Journal of Biomimetics, Biomaterials, and Tissue Engineering
31. Journal of Tissue Engineering and Regenerative Medicine
32. Journal of Dentistry Oral Disorders and Therapy
33. Journal of Material Sciences and Nanotechnology
34. Journal of Nanomaterials
35. Journal of Prosthodontics
36. Journal of Applied Sciences
37. Journal of Physics and Chemistry of Solids
38. Materials Chemistry & Physics

39. Materials
40. Materials Science and Engineering C
41. Marine Drugs
42. Medical Sciences
43. Macromolecular Materials and Engineering
44. Nanomaterials
45. Polish Journal of Chemical Technology
46. Polymers
47. Recent Patents On Biomedical Engineering
48. Research Foundation of the City University of New York (RFCUNY)
49. Scientifica-Biomaterials
50. Small Science
51. Tissue Engineering
52. Tissue Engineering Part C
53. Medical Devices and Sensors
54. ChemistrySelect
55. BMC Research Notes

Editorial Activities for the Following Journals

1. Editorial board member of World Research Journal of Tissue Engineering (15/02/2013-15/02/2016)
2. Editorial board member of Journal of Tissue Engineering (2015- Present).

JOURNAL PUBLICATIONS

- 2023** 1. **Ensanya A. Abou Neel**, S. Soumya, Sharon R. Oyhanart, Jonathan C. Knowles, Shams A.M. Issa, Ghada ALMisned, H.O. Tekin. Utilizing Fe₂O₃ in phosphate-based glasses to enhance biocompatibility and gamma-ray absorption characteristics: A step towards understanding of Na₂O/Fe₂O₃ translocation in P₂O₅-CaO-Na₂O glass system. **Ceramics International**. 2023: Accepted.
- 2022** 2. Katamesh B. E., Katamesh M. E., Abdalrhman W. A., ElDeeb R. M., Hareera N. M., Raslan A. E., Alabd A. A., **Abou Neel E. A.** COVID-19-awareness, practice and acceptance of vaccination among medical students-A cross-sectional survey. **International Journal of Epidemiologic Research** 2022, 9(3); 133-138.
3. Alsaud B. A., Hajjaj M. S., Masoud A. I., **Abou Neel E. A.**, Abuelenain D. A., Linjawi A. I. Bonding of clear aligner composite attachments to ceramic materials: An in-vitro study. **Materials** 2022, 15; 4145.
4. Abdeltawab S. S., Abu Haimed T., Bahammam H. A., Arab W. T., **Abou Neel E. A.**, Bahammam L. A. Biocompatibility and antibacterial action of *Salvadora Persica* extract as intracanal medication (In vitro and ExVivo experiment. **Materials** 2022, 15;1373.

5. Al Shehadata S., **Abou Neel E. A.**, Abdul Hamid S. S., Abdullah N. A., Rani S. A., Ahmad A. Odontogenic induction of human amniotic membrane scaffold for dental pulp regeneration. **Journal of Materials Chemistry & Physics** 2022, 280; 125780. Valappil S. P., **Abou Neel E. A.**, Pickup D. M, Burden E., Sahdev R., Miles E. J., Cooper L., Ansari T. I., Hanna J. V., Higham S. M. Antibacterial, remineralizing and matrix metalloproteinase inhibiting scandium-doped phosphate glasses for treatment of dental caries. **Dental Materials** 2022, 38(1); 94-107.
6. Rajadorai S, Harris G., Robinson A., Miles E. J., Roberts J., Cooper L., **Abou Neel E. A.**, Higham S. M., Flannigan N. L., Valappil S. P. Antibacterial, remineralizing zinc oxide-doped phosphate-based glasses. **Materials Letters** 2022, 306; 130813.
7. **Abou Neel E. A.**, Aghila Rani KG, AR Samsudin. Mineralized nodule formation in primary osteoblasts culture in titanium doped phosphate glass and in-house prepared freeze dried demineralized bone extracts. **Journal of Materials Chemistry & Physics** 2022, 276; 125425.
8. **Abou Neel E. A.**, Khalifa, N., Awad, M., S. Soumya, Alawadi, H. Remineralization potential and biocompatibility of titanium dioxide-doped phosphate glasses. **Materials Letters** 2022, 309; 131456.
- 2021 9. Abuelenain D. A., **Abou Neel E. A.**, Abu-Haimed T., Alamri A. M., Ammar H. S, Bokhary S. M. N. Effect of curcumin suspension and vitamin C on dentin shear bond strength and durability: A pilot study. **The Open Dentistry Journal** 2021, 15; 540-546.
10. **Abou Neel E. A.**, Hossain K. M. Z., Abuelenain D. A., Abuhaimed T. S., Ahmed I., Valappil S. P., Knowles J. C. Antibacterial effect of titanium dioxide-doped phosphate glass microspheres filled total-Etch dental adhesive on *Streptococcus mutans* biofilm. **International Journal of Adhesion and Adhesives** 2021, 108; 102886.
11. **Abou Neel E. A.**, Roohpour N., Padidar B., Mordan N J., Bozec L. Biomimetic dentin repair with dual-analogue phosphate glass polyacrylate past: A proof of concept. **Materials Chemistry & Physics** 2021, 266; 124539.
12. **Abou Neel E. A.**, Turki A. Bakhsh. An eggshell toothpaste as a cost effective treatment of dentin hypersensitivity. *Eur J Dent* 2021, 15;733–740.
13. Nassar H., **Abou Neel E. A.**, "Awareness and utilization of bulk-fill composites among dental practitioners in Saudi Arabia". **The Open Dentistry Journal** 2021, 15; 160-169.
14. Ahmed B. El-Okl, **Abou Neel E. A.** A 3-D finite element analysis of single implant retained overdenture reinforced with short vs. long framework. Is it worth? **European Journal of Prosthodontics and Restorative Dentistry** 2021, 29; 103-111.
- 2019 15. Abu Zeid S. T., Ruaa A. Alamoudi, **Abou Neel E. A.** Morphological and spectroscopic study of apatite layer induced by fast-versus regular-set Endosequence root repair materials. **Materials** 2019, 12; 3678.

16. **Abou Neel E. A.**, Bozec, L., Knowles J. C. Effect of sodium hypochlorite on adhesive characteristics of dentin: A systematic review of laboratory-based testing. **International J of Adhesion & Adhesives** 2019, 95; 102419.
17. **Abou Neel E. A.**, Kiani A., Valappil S. P., Mordan N. M., Baek, S-Y, Hossain K. M. Z., Felfel R. M., Ahmed I., Divakarla K., Chrzanowski W., Knowles J. C. Glass microparticles versus microspheres-filled experimental dental adhesives. **Journal of Applied Polymer Science** 2019, 136; 47832.
- 2018 18. Abuelenain D.A., **Abou Neel E. A.**, Abu-Haimed T. Effect of dentin modifiers on surface and mechanical properties of acid etched dentin. **International Journal of Adhesion and Adhesives** 2018; 81, 43-47.
19. Abu Zeid S. T., **Abou Neel E. A.**, Al Sofi L., Edress H., Al Othmani O., Siddiqui A., Saleh, A. A. M. Bioactivity of biodentine and mineral trioxide aggregate: An in vitro assessment. **International Journal of Pharmaceutical Research & Allied Sciences** 2018; 7(4), 47-52.
20. Abu Zeid S. T. H., Mokeem-Saleh A. A., Khafagi M. G., **Abou Neel E. A.** Setting reaction of new bioceramic root canal sealers. **Spectroscopy Letters**. DOI: 10.1080/00387010.2018.1485703.
- 2017 21. **Abou Neel E. A.**, Young A. M. Setting kinetics and mechanical properties of flax fibres reinforced glass ionomer restorative materials. **Journal of Biomedical Research** 2017; 31(1): 1-9.
22. Abuelenain D.A., **Abou Neel E. A.**, Al-Dharrab A. Surface characterization and mechanical behavior of bulk fill versus incremental dental composites. **Tanta Dental Journal** 2017; 14, 56-61.
23. Islam M. T., Felfel R. M., **Abou Neel E. A.**, Ahmed I, Hossain K. M. Z. Bioactive calcium phosphate-based glasses and ceramics and their biomedical applications: A review. **Journal of Tissue Engineering** 2017; 8, 1-16.
24. Abuhaimed T. S., **Abou Neel E. A.** Sodium hypochlorite irrigation and its effect on bond strength to dentin. **Biomedical Research International** 2017 (2017), Article ID 1930360, <https://doi.org/10.1155/2017/1930360>.
25. Abu Zeid S. T. H., Alamoudi N. M., Khafagi M. G., **Abou Neel, E. A.** Chemistry and bioactivity of NeoMTA Plus™ vs MTA Angelus® root repair materials. **Journal of Spectroscopy** 2017 (2017), Article ID 8736428. <https://doi.org/10.1155/2017/8736428>.
26. Alqedairi A., Muñoz-Viveros C. A., Pantera E., Campillo-Funollet M., Alfawaz H., **Abou Neel E. A.**, Abuhaimed T. S. Sperfast set, strong, less degradable mineral trioxide aggregate cements. **International Journal of Dentistry**, 2017 (2017), Article ID 3019136, <https://doi.org/10.1155/2017/3019136>.
- 2016 27. Abu Zeid S. T. H., Khafagi M. G., **Abou Neel, E. A.** Effect of root canal medications on maturation and calcification of root canal dentin' hydroxyapatite: An Infrared spectroscopy. **Spectroscopy Letter**, 2016, 49 (2); 135-139.

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29. **Abou Neel E. A.**, Aljabo A., Strange A., Ibrahim S., Coathup M., Young A. M., Bozec L., Mudera V. Demineralization-remineralization dynamics in teeth and bone. **International Journal of Nanomedicine**, 2016, 11; 4743-4763.
30. Abuelenain D. A., **Abou Neel E. A.**, Shehata, M. M., Hammouda, M. M. I. Polymerization shrinkage stresses of low shrink versus conventional micro-hybrid composites MOD restorations: A 3D finite element analysis. **J Dent Sci.**, 2016; 1(2), 1-11.
- 2015**
31. Kim S. Y., Wong A., **Abou Neel E. A.**, Chrzanowski W., Chan H-K. The future perspectives of natural materials for pulmonary drug delivery and lung tissue engineering. **Expert Opinion on Drug Delivery**, 2015; 12 (6), 869-887.
32. Abuelenain D. A., **Abou Neel E. A.**, Al-Dharrab A. Surface and mechanical properties of different dental composites. **Austin J Dent.**, 2015, 2 (2); 1019.
33. **Abou Neel E. A.**, Chrzanowski W. Surface topography and mechanical properties of flax fibres modified glass ionomer restorative materials. **Journal of Biomedical Engineering and Informatics**, 2015, 1 (1); 82-92.
34. **Abou Neel E. A.**, Bozec L., Perez R. A., Kim H-W., Knowles J. C. Nanotechnology in dentistry: prevention, diagnosis and therapy. **International Journal of Nanomedicine**, 2015, 10, 6371-6394.
- 2014**
35. **Abou Neel E. A.**, Salih V., Revell P. A. Young A. M. Brushite and self-healing flexible polymer-modified brushite bone adhesives for fibular osteotomy repair. **Advanced Engineering Materials**, 2014; 16(2): 218-230.
36. Tredwin C. J., Young A. M., **Abou Neel E. A.**, Georgiou G., Knowles J. C. Hydroxyapatite, fluor-hydroxyapatite and fluorapatite produced via the sol-gel method: Dissolution behavior and biological properties after crystallisation. *Journal Materials Science: Materials in Medicine*, 2014; 25, 1: 47-53.
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39. Darwish S. S., Abd El Meguid S. H., Wahba, N. A., Mohamed A. A-R., Chrzanowski W., **Abou Neel E. A.** Root maturation and dentin-pulp response to enamel matrix derivative in pulptomized permanent teeth. **Journal of Tissue Engineering**, 2014; 5: 1-12.
40. **Abou Neel E. A.**, Chrzanowski W., Salih V. M., Hao-Won Kim, Knowles J. C. Tissue engineering in dentistry. **Journal of Dentistry**, 2014, 42 (8), 915-924.

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42. **Abou Neel E. A.** A Differential scanning calorimetric analysis of fibronectin: effects of drying state and heating rate. **Egyptian Dental Journal**, 2014; 2437-2443.
- 2013 43. **Abou Neel E. A.**, Bozec, L. Knowles, J. C. Omaer, S. Modura, V. Day, R. Hyun. J. K. Collagen - emerging collagen based therapies hit the patient. **Advanced Drug Delivery Review**, 2013; 65: 429-456.
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45. Chrzanowski W., **Abou Neel E. A.** Biomedical applications of clay. **Australian Journal of Chemistry**, 2013; 66: 1315-1322.
46. **Abou Neel E. A.** Zinc modified titani-stabilized phosphate-based glasses for engineering of oral and maxillofacial bone. **Egyptian Dental Journal**, 2013; 59, 2, 1263-1272.
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- 2012 48. **Abou Neel E. A.**, Salih V., Revell, P., Young A. M. Viscoelastic and biological performance of low modulus, reactive calcium phosphate filled, degradable, polymeric bone adhesives. **Acta Biomaterialia**, 2012, 8: 313-320.
49. Alekseeva T., Hadjipanayi E., **Abou Neel E. A.**, Brown R. A. 'Engineering stable topography in dense bio-mimetic 3D collagen scaffolds'. **European Cells and Materials**, 2012; 23: 28-40.
50. **Abou Neel E. A.** High temperature XRD and the lattice thermal expansion of sintered hydroxyapatite. **Egyptian Dental Journal**, 2012; 58, 3, 2435-2442.
- 2011 51. Gellynck K., **Abou Neel E. A.**, Li H. Y., Mardas N., Donos N., Buxton P., Young A. M. Cell attachment and response to photo-cured, degradable bone adhesives containing tricalcium phosphate and purmorphamine. **Acta Biomaterialia**, 2011, 7; 2672-2677.
52. Revell P. A., **Abou Neel E. A.**, Salih V., Young A. M. A novel calcium phosphate-containing, fast photo-curing, degradable, polymeric bone adhesive promotes osteotomy healing. **24th European Conference on Biomaterials**, 4-8 September 2011; 121-127.
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54. Alekseeva T., **Abou Neel E. A.**, Knowles J. C., Brown R. A. Development of conical soluble phosphate glass fibres for directional tissue growth. **Journal of Biomaterials Applications**, 2011; 26(6): 733-744.

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55. Chrzanowski W., Valappil S. P., Dunnill C. W., **Abou Neel E. A.**, Lee K., Parkin I. P., Wilson M., Armitage D. A., Knowles J. C. Impaired bacterial attachment to light activated Ni-Ti alloy. **Materials Science and Engineering C**, 2010, 30, 225-234.
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57. **Abou Neel E. A.**, Palmer G., Salih V., Knowles J. K., Young A. M. Chemical, modulus and cell attachment studies of reactive calcium phosphate filler - containing fast photo-curing, surface – degrading, polymeric bone adhesives. **Acta Biomaterialia**, 2010, 6; 2695-2703.
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59. Moss R. M., **Abou Neel E. A.**, Pickup D. M., Twyman H. L., Martin R. A., Henson M. D., Barney E. R., Hannon A. C., Knowles J. C., Newport R. J. The effect of zinc and titanium on the structure of calcium-sodium phosphate based glass. **Journal of Non Crystalline Solids**, 2010, 356; 1319-1324.
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65. **Abou Neel E. A.**, Chrzanowski W., Pickup D. M., O'Dell L A, Mordan N. J., Newport R.J., Smith M. E., Knowles J C. Structure and properties of strontium-doped phosphate-based glasses. **Journal of the Royal Society Interface**, 2009, 6; 435-446.
66. Ahmed I., Cronin P.S., **Abou Neel E. A.**, Parsons A.J., Knowles J.C., Rudd C.D. Retention of mechanical properties and cytocompatibility of a phosphate-based glass

fibre / polylactic acid composite. **Biomedical Materials Research: Part B: Applied Biomaterials**, 2009, 89B (1); 18-27.

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- 2008 73. **Abou Neel E. A.**, Knowles J. C. Physical and biocompatibility studies of novel titanium dioxide doped phosphate-based glasses for bone tissue engineering applications. **Journal of Materials Science: Materials in Medicine**, 2008, 19; 377-386.
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75. Valappil S.P., Ready D., **Abou Neel E.A.**, Pickup D. M., Chrzanowski W., O'Dell L.A., Newport R. J., Smith M.E., Wilson M., Knowles J.C. Antimicrobial gallium-doped phosphate-based glasses. **Advanced Functional Materials**, 2008, 18; 732-741.
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77. Pickup D. M., **Abou Neel E. A.**, Moss R. M., Wetherall K. M., Guerry P., Smith M. E., Knowles J. C., Newport R. J. Ti K-edge XANES study of the local environment

- of titanium in bioresorbable TiO₂-CaO-Na₂O-P₂O₅ glasses. **Journal of Materials Science: Materials in Medicine**, 2008, 19; 1681-1685.
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- 2007**
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- 2005**
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- 2023**
1. Rama A. Darwish, Manal Awad, Ensanya A. Abou Neel. Effect of Different Decontamination Methods on Microstructure, Surface Roughness and Fracture Resistance of Zirconia Restorations – In Vitro Study. UAEGSRC2023, Graduate Students Research Conference, 19-20 March, 2023, Abu Dhabi, United Arab Emirates.
- 2022**
2. Farrag S., Salama R., Abouelfetouh F., Alhajji R., **Abou Neel E. A.** Laser as alternative caries removal method in permanent teeth and dentin bond strength: A systematic review. Dental Education and Research Symposium. College of Dental Medicine, MBRU, 19th March 2022, Dubai, United Arab Emirates.
- 2021**
3. Yadadi S. S., **Abou Neel E. A.**, Sekar P. Antibacterial and antibiofilm efficacy of innovative copper-doped bioactive phosphate glass on oral microorganisms. 2nd Forum for Women in Research (QUWA): Empowering Women in Research & Innovation. University of Sharjah. 26th August 2021, Sharjah, United Arab Emirates.
 4. Alsaud B. A., Masoud A. I., Abuelenain D. A., **Abou Neel E. A.**, Hajjaj M. S., Linjawi A. I. Bonding of orthodontic composite attachments to ceramic material: An in-vitro study. IADR 2021.
- 2020**
5. **Abou Neel E. A.**, Rappor N., Padidar B., Mordan N. J., Bozec L. Biomimetic dentin remineralization with phosphate glass-polyacrylate paste. 11th World Biomaterials Congress, 19th-24th May 2020, Glasgow, Scotland (Poster).

- 2019**
6. Ahmed B. El-Okl, **Abou Neel E. A.** 3D finite element analysis of single implant retained overdenture reinforced with short versus long framework. King Abdulaziz University 5th International Dental Conference. 21st-24th October, 2019, Jeddah, Saudi Arabia (Poster).
 7. **Abou Neel E. A.**, Abuelenain D. A., Hossain K. M. Z. Wettability and bond strength of dental adhesives modified with titanium oxide containing glass. King Abdulaziz University 5th International Dental Conference. 21st-24th October, 2019, Jeddah, Saudi Arabia (Poster).
 8. Alamri A. M., Ammar H. S., Alomem O. A., Abuhaimed T. S., Abuelenain D. A., **Abou Neel E. A.** Shear bond strength of dentin cross-linked with vitamin C and Turmeric. King Abdulaziz University 5th International Dental Conference. 21st-24th October, 2019, Jeddah, Saudi Arabia (Poster).
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 10. Al-Amri B. S., Al-Senani S. S., Bakhsh T. A., **Abou Neel E. A.** Efficacy of natural experimental toothpastes on dentin remineralization: An in vitro study. Saudi Dental Interns Research Forum/International Association for Dental Research **IADR 2019**, 1-2nd May, King Abdulaziz University, King Fahd Research Center, Jeddah, Saudi Arabia (Poster Presentation).
 11. AlMehmadi A. S., Saab N. H., Bakhsh T. A., **Abou Neel E. A.** Efficacy of different commercially available desensitizing toothpastes on dentinal tubules occlusion: An in vitro study. Saudi Dental Interns Research Forum/International Association for Dental Research **IADR 2019**, 1-2nd May, King Abdulaziz University, King Fahd Research Center, Jeddah, Saudi Arabia (Poster Presentation).
- 2017**
12. **Abou Neel E. A.**, Mounir M. M., Saudi H. I., Shehata M. M., Abuhaimed T. S., Othman F. S. Flax Fibers Modified Glass Ionomer Restorative Materials: Radiopacity and In Vivo Biocompatibility. Tanta International Dental Conference/**TIDC2017**. Tanta, 13-15th December 2017 (Poster).
 13. **Abou Neel E. A.**, Kiani A., Valappil S. P., Chrzanowski W., Knowles J. C. Antibacterial copper glass-filled phosphate-substituted methacrylate adhesives. Tanta International Dental Conference/**TIDC2017**. Tanta, 13-15th December 2017 (Poster).
- 2015**
14. Abuelenain D. A., **Abou Neel E. A.**, Shehata, M. M., Hammouda, M. M. I. "A three-dimensional finite element stress analysis of maxillary first molar MOD restorations using low shrink versus conventional micro-hybrid composites." **IADR.2015**, Boston, Mass., USA, March 11-14th, 2015 (Poster).
 15. Abu Zeid S., Khafagi M., **Abou Neel E. A.** Effect of various root canal medications on chemistry of root canal dentin: An Infrared spectroscopy analysis. **The 6th**

- International Conference on Optical Spectroscopy, Laser and their Applications.** National Research Center, Cairo, Egypt April 7-9th 2015 (Poster).
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- 2014**
17. Abuelenain D.A., Alzahrani S.J., Elagouzi M. H., Magliah A.F., Al-Dharrab A., **Abou Neel E.A.** Mechanical properties of different commercially available dental composites. International Association for Dental Research (**IADR**) at Cape Town, South Africa, June 25-28th 2014 (Poster).
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- 2013**
19. **Abou Neel E.A.**, Revell P.A., Salih V., Young A.M. Healing of femur defect after treatment with a novel calcium phosphate -containing, fast photo-curing, degradable, polymeric bone adhesive. **25th European Conference on Biomaterials**, at Madrid, Spain, September 8th to 12th, 2013 (Poster).
- 2012**
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- 2011**
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26. Tredwin C. J., Knowles J. C., Young A. M., **Abou Neel E. A.**, Georgiou G. Sol-gel derived hydroxyapatite, fluor-hydroxyapatite and fluorapatite. **British Society for Oral and Dental Research**, Sheffield, UK, September 13th to 16th, 2011 (Oral Presentation).
- 2010**
27. Alekseeva T., Tully F, **Abou Neel E. A.**, Knowles J. C., Brown R. A. Surface anisotropy affects embossing in plastic compressed collagen. **TERMIS-EU 2010 meeting**, June 13th to 17th, 2010.
28. Chrzanowski W., Szade J, **Abou Neel E. A.**, Hart A. D., Dalby M. J., Knowles J. C. Plasma cleaning – an effective method to improve human cell response to Nickel Titanium alloy? ESB2010. **23rd European Society for Biomaterials Meeting**, at Tampere, Finland, September 11th to 15th, 2010 (Oral Presentation).
29. Chrzanowski W., **Abou Neel E. A.**, Lee K.-Y., Bismarck A., Dalby M.J., Knowles J. C. Titanium Doped Phosphate Glass – Effective Bioactive Filler for Polymers. ESB2010. **23rd European Society for Biomaterials Meeting**, at Tampere, Finland, September 11th to 15th, 2010 (Oral Presentation).
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32. Chrzanowski W., **Abou Neel E.A.**, Rajzer I., Bismarck A., Lee K-Y., Dalby M.J., Knowles J.C. Glass filled polymers for scaffolds fabrication – the modulation of cell response by tailoring filler chemistry. **TERMIS Asia Pacific meeting**, 15-17 Sep 2010, Sydney, Australia.
- 2009**
33. Mizoguchi T., Yoshida T., Tamura K., Yamazoe M., Nagasawa S., **Abou Neel E. A.**, Knowles J. C. Ito M. The influence of titanium dioxide doped phosphate-based glass-ceramics on MC3T3-E1. **IADR 2009**, Miami, Florida, April 1-4.
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35. Chrzanowski W., **Abou Neel E. A.**, Young A. M., Dalby M. J., Knowles J. C. Modulation of cytoskeleton formation on polymers by titanium-phosphate glass filler. **ESF-EMBO Symposium: Biological Surfaces and Interfaces 2009**, Sant Feliu de Guixols, Spain, 27th June – 2nd July.
36. Chrzanowski W., **Abou Neel E. A.**, Young A. M., Dalby M. J., Knowles J. C. Titanium-phosphate glass filled polymer for tissue engineering. **Annual Conference**

- of **Tissue and Cell Engineering Society, TCES 2009**, University of Glasgow, 8th-10th July.
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- 2008
38. **Abou Neel E.A.**, Chrzanowski W., Knowles J. C. Zinc as adjunct to titanate phosphate-based glasses for biomedical applications. **8th World Biomaterials Congress**, 2008 at Amsterdam 28th May to 1st June (Oral Presentation).
39. **Abou Neel E.A.**, Chrzanowski W., Knowles J. C. Titanate metaphosphate glasses for potential bone tissue engineering applications. **8th World Biomaterials Congress**, 2008 at Amsterdam 28th May to 1st June.
40. Valappil S. P., Ready D., **Abou Neel E.A.**, Chrzanowski W., Wilson M., Knowles J. C. Effect of increasing calcium concentration on antimicrobial activity of gallium-doped phosphate based glasses. **8th World Biomaterials Congress**, 2008 at Amsterdam 28th May to 1st June.
41. **Abou Neel E.A.**, Knowles J. C. Phosphate glasses with different cellular response. **Eastman 60th Anniversary Celebratory Congress, "The Eastman at 60 - extending the legacy"** 2008, at London 3rd to 4th April.
42. Alekseeva, T, Allovskaya, A, **Abou Neel, EA**, Knowles, JC, Brown, RA. Development of conical soluble phosphate glass fibres for directional generation of microchannels in dense collagen implants. **Tissue and Cell Engineering Society (TCES) meeting** 2-4 July 2008, University of Nottingham. (pp. 32 - 32).
43. **Abou Neel E.A.**, Zhao X., Ho. S. M., Knowles J. C., Salih V., Young A.M. Injectable degradable polymeric adhesives containing reactive calcium phosphate filler particles. **PEF IADR**, 2008, London, UK, 10th to 12th September (Oral Presentation).
44. Alekseeva T., **Abou Neel E.A.**, Nazhat S., Bitar M., Knowles J. C., Salih V., Brown R.A. Plastic compressed collagen reinforced with phosphate-based glass for bone tissue engineering. *Tissue Engineering Part A*. 2009. **International Bone-Tissue Engineering Congress, bone-tec 2008**, November 7-9, 2008, Hanover.
- 2007
45. **Abou Neel E.A.**, Mizoguchi T., Ito M., Bitar M., Salih V., Knowles J. C. Gene expression and in vivo biocompatibility of novel titanium dioxide doped phosphate-based glasses. ESB 2007. **21th European Society for Biomaterials Meeting**, at Brighton, United Kingdom. September 9th to 13th, 2007 (Oral Presentation).
46. **Abou Neel E.A.**, Young A. M., Nazhat S.N., Knowles J. C. Microtube formation from phosphate glass fibres. ESB 2007. **21th European Society for Biomaterials Meeting**, at Brighton, United Kingdom. September 9th to 13th, 2007 (Oral Presentation).
47. Alekseeva T., Allovskaya, A., **Abou Neel E.A.**, King V., Knowles J.C., Brown R.A. Engineering microchannels into collagen constructs with soluble phosphate glass

- fibres for neural tissue repair. **TERMIS-EU 2007 meeting**, September 4th to 7th, 2007.
- 2006**
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51. **Abou Neel E.A.**, Knowles J. C. Mixed alkali effect in phosphate glasses. Bioceramics 19, **19th International Symposium on Ceramics in Medicine**, October 10 to 13th, 2006 (Oral Presentation).
- 2005**
52. **Abou Neel E.A.**, Hope C., Kershaw C.M, Lee P.D., Brown R.A., Knowles J.C., Nazhat S. N. Plastic compression as an ultra-rapid preparation of cellular phosphate glass fibre/collagen constructs. ESB 2005. **19th European Society for Biomaterials Meeting**, at Sorrento, Italy. September 11th to 15th, 2005 (Oral Presentation).
53. Brown R.A., Cheema U., Chuo C.B., **Abou Neel E.A.**, Knowles J.C., Nazhat S.N. Ultra-rapid fabrication of tissues and scaffolds: fabrication of complex, biomimetic meso-structure. **8th Annual Meeting of 'Tissue Engineering Society'**, Shanghai International Convention Centre, Shanghai, China, October 22nd to 25th, 2005.
54. **Abou Neel E. A.**, Knowles J. C., Brown R. A., Nazhat S. N. Development of 3D phosphate glass fibre-plastic compressed collagen constructs for tissue engineering. **"A Forecast of the Future for Biomaterials". Professor Larry L Hench Symposium**, Imperial College London. September 29th to 30th, 2005 (Oral Presentation).
- 2004**
55. **Abou Neel E. A.**, Ahmed I., Pratten J., Nazhat S. N., Knowles J. C. Characterisation of a novel antimicrobial releasing glass fibre. **Proceeding of the 3rd Annual Conference**, University of Brighton. July, 2004.
56. **Abou Neel E. A.**, Knowles J. C., Brown R. A., Nazhat S. N. Mechanical and viscoelastic characterisation of collagen gels demonstrating the engineering of tissue through ultra-rapid plastic compression. **The Joint Meeting of the "Tissue Engineering Society International" and the "European Tissue Engineering Society"**, Lausanne, Switzerland. October 10th to 13th, 2004.
- 2003**
57. **Abou Neel E.A.**, Ahmed I., Nazhat S. N., Knowles J. C. DSC as a rapid test method for determining T_g of phosphate-based glass fibres. **Proceedings of the 1st Annual Biomaterials Workshop**, Cranfield University. Shrivenham. March, 2003.

INVITED BOOK CHAPTERS

- 2014 1. **Abou Neel E.A.**, Chrzanowski W, Anne M. Young. Biointerfaces-where materials meet biology: Interfaces in composite materials, Editor Dietmar W. Hutmacher & Wojciech Chrzanowski, Royal Society of Chemistry (RSC) Publishing. by Dietmar Hutmacher (Editor, Contributor), Wojciech Chrzanowski (Editor, Contributor), Hans-Jörg Schneider (Series Editor). 2014, pp. 153-173.
- 2013 2. **Abou Neel E.A.**, Young A. M. Joining and assembly of medical materials and devices: Part IV Joining and assembly of biomaterial and tissue implants: Antibacterial adhesives for bone and tooth repair, Editor Y N Zhou and M D Breyen, Woodhead Publishing Ltd. Series 45. 2013, Ch. 17: pp. 491-513.
- 2011 3. **Abou Neel E.A.**, Salih V., Knowles J.C. Comprehensive Biomaterial: Phosphate-Based Glasses. In: P. Ducheyne, K.E. Healy, D.W. Hutmacher, D.W. Grainger, C.J. Kirkpatrick (eds.) Comprehensive Biomaterials, 2011, vol. 1, pp. 285-297 Elsevier.
- 2009 4. **Abou Neel E.A.**, Knowles J. C. Cellular response to biomaterials: Part I: Cell responses to biomaterials using polymers and ceramics: Biocompatibility and other properties of phosphate-based glasses for medical applications, Editor Di Silvio L., Cambridge: Woodhead Publishing Ltd, 1st edition, 2009, pp 156-178.

GRANTS APPLICATIONS

- 2022 1. Best research work in the 3rd Forum for Women in Research Grant. 25th August 2022, University of Sharjah, Sharjah, United Arab Emirates, 20,000 AED.
2. **Competitive Grant, Co-investigator**, Investigation of PLGA/TCP scaffold loaded with basic fibroblast growth factor for dental pulp tissue regeneration. Grant No. (V.C.R.G. / R. 447/2022), 120,000 AED for 24 months, University of Sharjah, Sharjah, United Arab Emirates.
3. **Competitive Grant, Co-investigator**, Development, characterization and biological evaluation of a novel graphene deposition technique for optimising the osteogenic and antimicrobial properties of dental implants and prosthesesscaffold loaded with basic fibroblast growth factor for dental pulp tissue regeneration. Grant No. (V.C.R.G. / R. 447/2022), 120,000 AED for 36 months, University of Sharjah, Sharjah, United Arab Emirates.
4. **Competitive Grant, Co-investigator**, Antimicrobial efficacy and biocompatibility of green synthesized silver and copper oxide nanoparticles capped with Barleria prionitis on oral pathogens. Grant No. (V.C.R.G. / R. 447/2022), 95,000 AED for 27 months, University of Sharjah, Sharjah, United Arab Emirates.

5. **Targeted Grant, Co-investigator**, Prevalence and severity of tooth among adolescents in the UAE, Grant No. (V.C.R.G. / R. 438/2021, 2101100253), 182,000 AED for 24 months, University of Sharjah, Sharjah, United Arab Emirates.
6. **Seed Grant, Co-investigator**. Effect of Orthodontic treatment on the TMJ and Craniofacial Sutures in Cleft lip and Palate Patients: A Finite Element Study, Grant No. (no# V. C. R. G./ R. 447/2022, 2201100259), 40k AED for 24 months, University of Sharjah, Sharjah, United Arab Emirates.
7. **Seed Grant, Co-investigator**. Investigation of the role of common oral conditions and dental restorations on the salivary candidal load Investigation of the role of common oral conditions and dental restorations on the salivary candidal load Grant No. (no# V. C. R. G./ R. 447/2022, 2201100156), 40k DHs for 24 months, University of Sharjah, Sharjah, United Arab Emirates.
8. **Seed Grant, Co-investigator**, Hybrid layer and microtensile bond strength of titanium dioxide-doped phosphate glass microspheres filled universal dental adhesive. Grant No. (no# V. C. R. G./ R. 447/2022, 2201100255), 34k DHs for 23 months, University of Sharjah, Sharjah, United Arab Emirates.
- 2021 9. **General Program Grants, Co-investigator**, Antibacterial Action of S. Persica as Intracanal Medication. Grant No. (G-1359-165-1440), 31k SAR for 2 years, King Abdulaziz University, Saudi Arabia **G:1359-165-1440**.
- 2020 10. **Seed Gant, Principle investigator**, An Experimental Phosphate Glass-Containing Tooth Paste and Dentinal Tubules Occlusion: An in vitro Study. Grant No. (no# V. C. R. G./ R. 438/2020, 2101100243), 30k DHs for 2 years, University of Sharjah, Sharjah, United Arab Emirates.
- 2019 11. **General Program Grants, Co-investigator**, Dental Composites/Adhesives with Improved Performance, Grant No. (3G-226-165-1441), 35k SAR for 2 years, King Abdulaziz University, Saudi Arabia
- 2013 12. **General Program Grants, Principle investigator**, Condensable fiber reinforced glass ionomer cements. Grant No. (440/254 /1434), 150k SAR for 2 years, King Abdulaziz University, Saudi Arabia
- 2012 13. **General Program Grants, Co-investigator**, “Mechanical properties and three-dimensional stress analysis using finite element of novel dental composites and adhesive systems”. Grant No. (3-165-35-RG), 150k SAR for 2 years, King Abdulaziz University, Saudi Arabia

PROFESSIONAL DEVELOPMENT COURSES ATTENDED

- 2023 1. How to choose a research line that will have a global impact? 26th **January 2023**, University of Sharjah.
- 2022 2. 4th Annual Strategic Conference, University of Sharjah, 8th December 2022
3. **9th Emirati German Congress in Medicine and Dental Medicine**. 21st-22nd **November 2022**, University of Sharjah.

4. **14th Dental Facial Cosmetic Conference**, 17-20th November 2022, University of Sharjah.
 5. **Research Fair Webinar Series**, 23rd November 2022, University of Sharjah, The College of Graduate Studies and the Research Outreach Department
 6. **17th CAD/CAM & Digital Dentistry Conference**, 10-13 November 2022, CAPP
 7. **Graduate studies from registration till graduation (PhD program)**. 12th October 2022, University of Sharjah.
 8. **Securing external grant capture and impact in non-stem areas**, 10th October 2022, 18th Research Coffee Talk, University of Sharjah
 9. **Risk of Fall**, 4th October 2022, University of Sharjah, College of Dental Medicine.
 10. **Journal selection, sweat, tears and joy**, 3th October 2022, University of Sharjah, College of Dental Medicine.
 11. **Pre-award research funding opportunities: Grants and guidelines**. 29th September 2022. University of Sharjah.
 12. **Whole body health symposium**, 23rd- 24th September 2022, CAPP.
 13. **Why is BEWE important to me?** 31st August 2022, CAPP.
 14. **3rd Women in research forum**. 25th August 2022, University of Sharjah.
 15. **Winning the battle against the oral cancer: The potential role of future dentists**. 31st January 2022, University of Sharjah.
 16. **Common misconceptions in laser dentistry**, 28th January 2022, CAPP.
 17. **Engaging leadership; leadership is an action not a position**. 11th January 2022, University of Sharjah.
- 2021
18. **UoS moving forward in graduate student research with impact on community**. 22nd December 2021, University of Sharjah
 19. **Driver safety**, 6th December 2021, LMS- University of Sharjah.
 20. **Basic first aid**, 6th December 2021, LMS- University of Sharjah.
 21. **Digital orthodontics symposium**, 26th November 2021, CAPP
 22. **13th Dental facial cosmetic intl conference** 18-21 November 2021, CAPP.
 23. **The 8th Emirati-German congress in medicine and dental medicine** 21st-22nd November 2021, University of Sharjah, College of Dental Medicine.
 24. **16th CAD/CAM & digital dentistry Int'l Conference** on 11-14th November 2021, CAPP.
 25. **Fiber-reinforced restoration of pulpless teeth: how relevant is it today?** 8th November 2021, CAPP.
 26. **Mastering adhesive dentistry**. 5th November 2021, CAPP.
 27. **Principals of tooth preparation**. 27th October 2021, CAPP.
 28. **A new era in reciprocating instruments in endodontics**. 22nd October 2021, CAPP.
 29. **The 14th Research Café Talk: Leadership for the Greater Good**. 17th October 2021, UoS.
 30. **An introduction to the full digital workflow for implant planning using surgical guides**, 14th October 2021, CAPP.
 31. **Turnit in**, 14th October 2021, UoS.
 32. **Planmeca training**. 9th October 2021, UoS.
 33. **Cyber security assignment data protection**, 10th October 2021, UoS.

34. **Sagittal first, 7th October 2021, CAPP.**
35. **Clinical and radiographic considerations for the selection of our file system. 7th October 2021, CAPP.**
36. **Dental restorations: Time to print!, 1st October 2021, CAPP.**
37. **Management of cases with high aesthetic demand, The position of the tissue and the implant". 30th September 2021, CAPP.**
38. **Jaw reconstruction: from the plate to tissue engineering – CPD, 27th September 2021, UoS.**
39. **Root Canal Filling with Thermo-Plasticized Gutta-percha, 23rd September 2021, CAPP.**
40. **UoS Radiation Protection Training (Medical Applications), 18th September 2021, UoS.**
41. **UOS Radiation protection training (General), 18th September 2021, UoS.**
42. **Digital dentistry and lab symposium. 18th September 2021, CAPP.**
43. **Ethical sale and patients' communication. 16th September 2021, CAPP.**
44. **15 Power things you can do with your Intra Oral Scanner. 15th September 2021, CAPP.**
45. **Phenotypic and target based drug discovery: Approaches for the discovery of innovative therapeutics", UoS, 14th September 2021.**
46. **The art and science of posterior composites. 9th September 2021, CAPP.**
47. **Expand your Clear Aligner Offering with Reveal" 9th September 2021, CAPP.**
48. **Emergency code training and awareness, UoS, 9th September 2021**
49. **Workplace violence training and awareness, UoS, 8th September 2021**
50. **"MiCD regional symposium 2021" – CPD- CAPP, 2-4th September 2021**
51. **Fire safety training, Sharjah Civil Defense, University of Sharjah, 31st August 2021.**
52. **The second forum for women in research QUWA: Empowering women in research & innovation, University of Sharjah, 26th August 2021,**
53. **An overview of dentin hypersensitivity, risk factor, diagnosis and treatment, CAAP, 12th June 2021**
54. **Basic life support (BLS), University of Sharjah, 6th June 2021**
55. **Laser in Dental Practice. University of Sharjah, 30th -31st May 2021**
56. **Invisalign treatment with mandibular advancement and Invisalgin first. CAPP 5th May 2021**
57. **Third Collagen Café. University of Toronto, 3rd May 20201**
58. **Translational Research: Bridging the Gap between. Basic and Clinical Research. UoS, 2nd May 2021**
59. **The ultimate evolution of endodontic mechanical preparation. CAPP. 23th April 2021**
60. **Epidemiology of tooth wear. A global perspective. CAPP. 22th April 2021**
61. **Dental radiographic film holder - CPD, University of Sharjah, 22th April 2021**
62. **Current trend in regenerative dentistry- CPD, University of Sharjah, 15th April 2021**
63. **An update on fine motor skill learning in pre-clinical endodontics - CPD University of Sharjah, 8th April 2021**

64. **Laser in Periodontics - CPD** University of Sharjah, 18th March 2021
65. **Periodontal Pathogens- Friends or Foes? Lets Decide – CPD**, University of Sharjah, 18th March 2021
66. **9th International Students' Dental Conference: Virtual Edition 14-15th March 2021**
67. **Free CAPP CME Live Stream - Latest treatment approaches for enamel abrasion patients due to acid erosion – CPD**, 11th March 2021
68. **A review on systematic review – CPD**, University of Sharjah, 11th March 2021
69. **Dental care in non-traumatic endo emergencies – CPD**, University of Sharjah, 25nd February 2021
70. **Characterizing the senescence-like phenotype induced by typhoid toxin of *Salmonella typhi***, University of Sharjah, 22nd February 2021
71. **To post it or not: Restorative strategies for endodontically treated teeth – CPD**. University of Sharjah, 18th February 2021
72. **An update on association between diabetes and periodontal disease – CPD**, University of Sharjah, 11th February 2021
73. **Tackling the challenges of disturbed sleep**, University of Sharjah, 10th February 2021
74. **The oral microbiome in periodontal health and disease – CPD**, University of Sharjah, 4th February 2021
75. **Covid-19: Basic facts**, University of Sharjah, 2nd February 2021
76. **Post-award: Research funding opportunities – Grants and guidelines**, University of Sharjah, 31th January 2021
77. **Digital impression – CPD**, University of Sharjah, 28th January 2021
78. **Ethics in research – CPD**, University of Sharjah, 21st January 2021
- 2020 79. **Covid-19 basic facts & PPE during Covid-era – CPD**, University of Sharjah, 24th December 2020
80. **Luting resin cement: An update – CPD**, University of Sharjah, 21st December 2020
81. **Electrical safety _ NFPA 70E in research and education — LMS online training**, University of Sharjah-29th December 2020
82. **How to do clinical research**. University of Sharjah, **University of Sharjah**, 16th December 2020
83. **Introduction to IADR-UAE section and Hatton Competitions and Awards**, University of Sharjah, 8th December 2020
84. **Dental adhesives: An update – CPD**, University of Sharjah, 26th November 2020
85. **اللقاء الفني الثاني -معهد البحوث للعلوم الإنسانية والاجتماعية : "البحث العلمي والشراكات المجتمعية الإدارية والإعلامية والإدارية"**, University of Sharjah, 26th November 2020
86. **Covid-19 projections for the middle east webinar: Prof. Qutyba H.** University of Sharjah, 24th November 2020.
87. **Research workshop: Research at UoS: opportunities, grants and expectations.** Prof. Maamar Bettayeb, Vice Chancellor for Research & Graduate Studies, University of Sharjah, 8th November 2020

88. **The power and challenges of Interdisciplinary research.** Prof. Iman Saad, University of Sharjah, 1st November 2020
89. **Laboratory safety – LMS online training, University of Sharjah – 27th October 2020**
90. **Covid-19 Myths vs Facts,** Prof. Qutayba Hamid, University of Sharjah, 25th October 2020
91. **Wearable smart devices for better health care - Clinical Science Department – Bi weekly Seminar Series,** Prof. Rifat Akram Hamoudi, University of Sharjah, 21st October 2020
92. **Fire safety – LMS online training, University of Sharjah – 20th October 2020**
93. **UOS radiation protection training (Medical applications) - LMS online training, University of Sharjah – 20th October 2020**
94. **Emergency response – LMS online training, University of Sharjah – 20th October 2020**
95. **Scalpel and needle safety in laboratories - LMS online training, University of Sharjah – 19th October 2020**
96. **UOS radiation protection training (General) - LMS online training, University of Sharjah – 19th October 2020**
97. **Central lab safety orientation - LMS online training, University of Sharjah – 18th October 2020**
98. **Corona virus (COVID-19) prevention in the workplace - LMS online training, University of Sharjah – 18th October 2020**
99. **Blood born pathogens for research and campus activity - LMS online training, University of Sharjah – 18th October 2020**
100. **Office ergonomics - LMS online training, University of Sharjah – 18th October 2020**
101. **Laboratory safety – LMS online training, University of Sharjah – 16th October 2020**
102. **Electrical Safety – NFPA 70E in research and education – LMS online training, University of Sharjah – 16th October 2020**
103. **Introduction to excel. University of Sharjah, 15th October 2020,**
104. **Current trends in restorative dentistry research. 10th May 2020,** Saudi Dental Association, Saudi Arabia
105. **Cementation tips and tricks Webinar. 20th April 2020,** 3M
106. **SSRD Scientific Webinar: Multidisciplinary esthetic resolutions for anterior dentition. 20th April 2020,** Saudi Dental Association, Saudi Arabia
107. **Online SDS International Conference. 16-18th April 2020**
108. **Internship Scientific Webinar Series, King Abdulaziz Univeristy 14-15, 19, 23th April 2020**
109. **The British Academy of Implant & Restorative Dentistry (BAIRD) and Saudi Dental Society (SDS) Stay Home Congress. 7-9th April 2020** (Online Congress)
110. **SSRD Scientific Webinars: Resin infiltration technique. 6th April 2020,** Saudi Dental Association, Saudi Arabia

- 2019
111. **Advances in stem cell-based regenerative medicine regenerative dentistry and tissue bioengineering workshop**, King Abdulaziz University 5th International Dental Conference, **23rd Oct. 2019**, King Abdulaziz University, Saudi Arabia
112. **Managing your health through exercise is being comfortable with the uncomfortable**, **26th March 2019**, King Abdulaziz University, Saudi Arabia
113. **SDS Scientific Monthly Meeting. Theme: Integrated prosthodontics**, **23rd March 2019**, Saudi Dental Association, Saudi Arabia
114. **Success simplified modern dentistry**, Prof. Albert Wanting, 3M and Alturki, **8th March, 2019**, Jeddah-Movenpick Hotel Almadhinah Road
115. **Smile analysis; a milestone of aesthetic era**, **January 2019**, King Abdulaziz University, Saudi Arabia
116. **Basic implantology course**, **3rd-4th January 2019**, Tanta University, Egypt
117. **Cardiopulmonary resuscitation**, **26th March 2019**, Dr. Ahmed Al-Ghamdi Specialist Training Center, Jeddah, in Affailiation of Saudi Heart Association
- 2018
118. **Intentional replantation (IR) in the era of implants**, **6th November 2018**, King Abdulaziz University, Saudi Arabia
119. **Controversies in removal prosthodontics**, **21st November 2018**, King Abdulaziz University, Saudi Arabia
- 2017
120. **Health empowerment in breast cancer**, **20th November 2017**, King Abdulaziz University, Saudi Arabia
121. **Oral cancer and premalignant oral lesion: where do we stand with our knowledge as dentists**, **16th November 2017**, King Abdulaziz University, Saudi Arabia
122. **Legal and financial aspects of the university**, **4th–6th April 2017**, Faculty and Leadership Development Center, Tanta University, Egypt
123. **Preparation of dental and medical schools for external evaluation for accreditation**, **19th March 2017**, King Abdulaziz University, Saudi Arabia
124. **Code of ethics**, **1st – 3rd April 2017**, Faculty and Leadership Development Center, Tanta University, Egypt
125. **Research team management**, **28th- 30th January 2017**, Faculty and Leadership Development Center, Tanta University, Egypt
126. **Quality standards in teaching process**, **1st – 2nd January 2017**, Faculty and Leadership Development Center, Tanta University, Egypt
- 2016
127. **Way to promotion**, **7th-8th December 2016**, King Abdulaziz University, Saudi Arabia
128. **Restorative Lecture and Hands-on, Dr. Peet van der Vyver, Dentsply Sirona – 20th November 2016**, King Abdulaziz University, Saudi Arabia
129. **Web of science data base and EndNote**, **24th October 2016**, King Abdulaziz University, Saudi Arabia
130. **ISI Web of Science**, **3rd February 2016**, King Abdulaziz University, Saudi Arabia
131. **Strategic planning**, **15th-17th November 2016**, Faculty and Leadership Development Center, Tanta University, Egypt

132. **Conference organization, 11th- 13th November 2016**, Faculty and Leadership Development Center, Tanta University, Egypt
- 2015 133. **Integrated orthodontic treatment by use of temporary anchorage devices and enhancement of their initial stability**, Dr EGY TINCA, 28th **December 2015**, King Abdulaziz University, Saudi Arabia
134. **Safety measures, 14th-16th December 2015**, King Abdulaziz University, Saudi Arabia
135. **Third international genomic medicine conference (3rd IGMC)**, 29th **November - 3rd December 2015**, King Faisal Convention Centre, Jeddah, Saudi Arabia.
136. **British Medical Journal: How to get your research paper published, BMJ workshop, 13th October 2015**, King Abdulaziz University, Saudi Arabia
137. **EndNote, 8th February 2015**, King Abdulaziz University, Saudi Arabia
- 2014 138. **An updates of restorative dental materials, 3M, 25th November 2014**, King Abdulaziz University, Saudi Arabia
139. **ArcUs Digma workshop, 11th November 2014**, King Abdulaziz University, Saudi Arabia
- 2013 140. **MD consult and clinical key, 3th November 2013**, King Abdulaziz University, Saudi Arabia
141. **Video Casting, 8th April 2013**, King Abdulaziz University, Saudi Arabia
142. **Up-to-date demonstration & skills training, 29th September 2012**, King Abdulaziz University, Saudi Arabia
143. **An introduction to SBSS, 16th September 2012**, King Abdulaziz University, Saudi Arabia
- 2012 144. **Excel for data analysis, 14th October 2012**, King Abdulaziz University, Saudi Arabia
145. **Science Direct and Scopus, 2nd October 2012**, King Abdulaziz University, Saudi Arabia
146. **SDL (Saudi Digital Library) and ISI (Web of Knowledge Database), 28th May 2012**, King Abdulaziz University, Saudi Arabia
147. **Creating Course Portfolios: An Approach to Academic Excellence. 27-28th March 2012**, King Abdulaziz University, Saudi Arabia
148. **Cardiopulmonary resuscitation**, Dr. Ahmed Al-Ghamdi Specialist Training Center, Jeddah, in Affiliation of Saudi Heart Association. 26th **March 2012**, King Abdulaziz University, Saudi Arabia
149. **How to do a search in database in SDL**, King Fahd Center for Research, 10-11th **March 2012**, King Abdulaziz University, Saudi Arabia
- 2011 150. **First aids, 5th – 8th February 2012**, King Abdulaziz University, Saudi Arabia
151. **How to compete for a research fund nationally and internationally? 30th November 2011**, Faculty and Leadership Development Center, Tanta University, Egypt
152. **Management and leadership; Strategic planning, 15th-17th November 2011**, Faculty and Leadership Development Center, Tanta University, Egypt

153. **Effective presentation**, Faculty and Leadership Development Center, 1st-3rd **November 2011**, Tanta University, Egypt
154. **Ethics of research**, 25th-27th **October 2011**, Faculty and Leadership Development Center, Tanta University, Egypt
155. **Engineering bone formation at the implant interface**, 6th **April 2011**, Newcastle University, UK
156. **Biomaterials & Tissue Engineering Journal Club**, 5th **April 2011**, University College London, UK
157. **Photodynamic therapy-EDI**, 6th **January 2011**, University College London, UK
- 2010 158. **Biomaterials & Tissue Engineering Journal Club**, 7th **December 2010**, University College London, UK
159. **Eastman Dental Institute Research Away Day**, 7th **July 2010**, University College London, UK
160. **Evening French class**, Language center, 15th **June 2010**, University College London, UK
161. **Evening French class**, Language center, 2nd **June 2010**, University College London, UK
162. **Evening French class**, Language center, 26th **May 2010**, University College London, UK
163. **Evening French class**, Language center, 19th **May 2010**, University College London, UK
164. **“Disability Discrimination Act”**, 13th **May 2010**, University College London, UK
165. **Evening French class**, Language center, 12th **May 2010**, University College London, UK
166. **Evening French class**, Language center, 5th **May 2010**, University College London, UK
167. **Evening French class**, Language center, 28th **April 2010**, University College London, UK
168. **Evening French class**, Language center, 25th **March 2010**, University College London, UK
169. **Evening French class, Language center, 22nd March 2010, University College London, UK**
170. **Evening French class**, Language center, 18th **March 2010**, University College London, UK
171. **Evening French class**, Language center, 11th **March 2010**, University College London, UK
172. **Evening French class**, Language center, 4th **March 2010**, University College London, UK
173. **Evening French class**, Language center, 25th **February 2010**, University College London, UK
174. **Evening French class**, Language center, 18th **February 2010**, University College London, UK

175. **Evening French class**, Language center, 11th **February 2010**, University College London, UK
176. **“How to avoid being sued (successfully)”**, 8th **February 2010**, Royal Society of Medicine, Odontology Section, London
177. **Evening French class**, Language center, 4th **February 2010**, University College London, UK
178. **Evening French class**, Language center, 28th **January 2010**, University College London, UK
- 2009 179. **Micro-CT training**, 23th **December 2009**, by Dr Nick Corps, Sales Engineer, e2v Scientific Instrument, EPSRC, London
180. **Micro-CT training**, 10th **December 2009**, by Dr Alan Ruddell, EPSRC, London, UK
181. **2nd Biomaterials Symposium, “Hydroxyapatite: current developments in the synthesis, characterization and applications of apatite-like structures”**, 30th **November 2009**, Queen Mary University of London, UK
182. **Best practice in the management of discolored teeth**, 9th **November 2009**, Royal Society of Medicine, Odontology Section, London, UK
183. **New frontiers in drug delivery**, by Prof. Robert Langer, 22nd **October 2009**, Wellcome Trust, London, UK
184. **Research staff conference**, 22nd **June 2009**, University College London, UK
185. **Eastman Dental Institute Research Away Day**, 15th **May 2009**, University College London, UK
186. **Periodontology Research Away Day**, 7th **May 2009**, University College London, UK
187. **Stem cell launch event**, 24th **April 2009**, University College London, UK
188. **Anesthesia course (Module 4)**, 26th **March 2009**, Biological Service Dept., University College London, UK
189. **Anesthesia course (Module 1-3)**, 17th-18th **February 2009**, Biological Service Dept., University College London, UK
- 2008 190. **RT-PCR workshop training**, 19th **November 2008**, Applied Bio-system, University College London, UK
191. **Adhesion to tooth tissue**, 10th **November 2008**, Royal Society of Medicine, Odontology Section, London, UK
192. **Scanning Ion Conductance Microscopy Work**, 15th **October 2008**, by Prof. Yuri Korchev and Ionscop Ltd., University College London, UK
193. **Changing time-Prosthodontics for future**, 13th **October 2008**, Royal Society of Medicine, Odontology Section, London, UK
194. **Action learning (Women research staff, development and networking)-Module 5**, 26th **September 2008**, University College London, UK
195. **Action learning (Women research staff, development and networking)-Module 4**, 13th **June 2008**, University College London, UK
196. **Human Tissue Act**, 4th **June 2008**, University College London, UK

197. **Action learning (Women research staff, development and networking)-Module 3, 1st May 2008**, University College London, UK
198. **Giving presentation, 22nd April 2008**, University College London, UK
199. **The Eastman at 60-extending the legacy, 3rd-4th April 2008**, University College London, UK
200. **Action learning (Women research staff, development and networking)-Module 2, 27th March 2008**, University College London, UK
201. **Introduction to Photoshop, 11th March 2008**, University College London, UK
202. **LOT and Micro-materials, 4th March 2008**, School of Mechanical Engineering, Leeds University, UK
203. **Action learning (Women research staff, development and networking)-Module 1, 28th February 2008**, University College London, UK
204. **Leading and managing research team-Recruitment and selection, 7th February 2008**, University College London, UK
205. **Introduction to SPSS, 17th January 2008**, University College London, UK
206. **Action learning (Women research staff, development and networking), 10th January 2008**, University College London, UK
- 2007 207. **Coaching for the research marathon, 18th December 2007**, Catalyst Business Dynamics, UK
208. **Getting grant funding-Science, Engineering, 11th December 2007**, Staff Development and Training Unit, University College London, UK
209. **Research grant administration, 30th November 2007**, Research Administration Dept., University College London, UK
210. **Reverse transcription and array design, 21st February 2007**, Sigma-Aldrich, London, UK
211. **Interviewing skills-Career workshop, 14th February 2007**, University College London, UK
212. **Introduction to Q-PCR, design and optimization, 24th January 2007**, Sigma-Aldrich, London, UK
213. **Essential human resources for research management/principal, 23th January 2007**, University College London, UK
- 2006 214. **Completion of CROS, 14th November 2006**, Human Resources Dept., University College London, UK
215. **Workshop in computational methods for microscopy, 27th-28th September 2006**, ISIS, London, UK
216. **Stimuli responsive peptide-based biomaterials, 28th September 2006**, Dr rein Uljin, Manchester University, UK
217. **Career and professional development for research staff, 7th- 8th June 2006**, Career and Professional Development Unit, University College London, UK
218. **Eastman Dental-Real time PCR seminar, 31st May 2006**, Applied Bio-systems, University College London, UK
219. **PCR workshop, 24th May 2006**, Qiagen, University College London, UK

- 2005 220. **Reference manager**, 29th **November 2005**, University College London, UK
 221. **Biomaterials workshop**, 29th **November 2005**, Birmingham University, UK
 222. **Thesis writing (3rd Module-10 hours course)**, **March 2005**, Language Center, University College London, UK
- 2004 223. **Statistics (4 sessions course)**, 9th **November - 7th December 2004**, Eastman Dental Institute, University College London, UK
 224. **Thesis writing (1st Module, 10 weeks course)**, **13th October - 17th December 2004**, Language Center, University College London, UK
- 2003 225. **Excel chart**, 27th **November 2003**, Information Centre, University College London, UK
 226. **Reference Manager**, 12th **November 2003**, Information Centre, University College London, UK
 227. **Technical writing**, 30th **October 2003**, Information Centre, University College London, UK
 228. **Using Power Point XP**, 16th **October 2003**, Information Centre, University College London, UK
 229. **Pre-workshop presentation**, 10th **October 2003**, Information Centre, University College London, UK
 230. **In-Sessional English for Academic Purposes (EAP), 3 months course (spring term)**, 13th **January - 23rd March 2003**, Information Centre, University College London, UK
- 2002 231. **IT-Essential skills (winter term, 2002)**, 10th **October 2002**, Information Centre, University College London, UK
 232. **In-Sessional English for Academic Purposes (EAP), 3 months course (winter term)**, 2nd **October - 26th December 2002**, Information Centre, University College London, UK
- 2001 233. **Leadership preparation**, **April 2001**, Leaders Preparation Institute, Holwan, Egypt
- 2000 234. **English language (3 months)**, **January – April 2000**, American University, Cairo, Egypt.
- 1999 235. **Dos, Windows, Excel, Power Point, and Word**, Faculty of Commerce, Tanta University, Tanta, Egypt
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