السيرة الذاتية

الاســـــــــم : د. أمل يوسف محسن الياسري

التـخـصـص : دكتوراه في الفيزياء الطبية والاشعاعية

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- **: المؤهلات العلمية .**

دكتوراه فيزياء طبية وأشعاعية – قسم العلوم والهندسة النووية –جامعة مزوري كولومبيا –أمريكا بتاريخ 15-5-2015

- **: المقررات الدراسية التى أقوم بتدريسها. تدريس مادة الفيزياء الطبية (النظري والعملي) لطلاب المرحلة الاولى لكلية طب الاسنان**

Publications: البحوث التي تم نشرها

A- Peer-reviewed manuscripts

1. **Amal Yousif Al Yasiri**, Hayder Fadhl Abed, "Estimation of Energy Spectrum and Energy Deposition of Photons Emitted from Brachytherapy ^{125}I Seed", Indian Journal of Science and Technology, June,2018, Vol. 11(24)

2. **Amal Y. Al-Yasiri**, "In Vitro Influence of Low-Power Diode Laser Irradiation Time on Human Red Blood Cells", Photomedicine and Laser Surgery, May 1, 2018, Vol. 36 (5).

3. **A. Y. Al-Yasiri**, M. Khoobchandani, C. S. Cutler, L. Watkinson, T. Carmack, C. J. Smith,

M. Kuchuk, S. K. Loyalka, A. B. Lugão, and K. V. Katti, "Mangiferin Functionalized Radioactive Gold Nanoparticles (MGF- ^{198}AuNPs) in Prostate Tumor Therapy: Green Nanotechnology of Production, In Vivo Tumor Retention and Evaluation of Therapeutic Efficacy", Dalton Transactions, November14, 2017, Vol. 46 (42).

4. Cathy Cutler, **Amal Al-Yasiri**, Maryna Kuchuk, Sudarshan Loyalka, Lisa Watkinson, Terry Carmack, Charles Smith and Kattesh Katti, "Comparison of in vivo uptake of radioactive gold nanoparticles formulated using phytochemicals", Journal of Nuclear Medicine May 1, 2015, Vol. 56 (3).

5. N. F. Habubi, M. S. Hashim and **Amal Y. Al-Yasiri**, "Structural characterization of gamma irradiated ZnS thin films," Baghdad Science Journal, 2010, Vol.7 (4).

6. B.T. AL- Gailani, T. A. Musa and **Amal. Y. AL-Yasiri**, "Validation and Evaluation the Cross-bonding Technique to detect the Changes in Cell Membrane Protein," Iraqi journal of community medicine, June 2001, vol.14 (2).

B- Peer Reviewed Abstracts

1. **Amal. Y. Al-Yasiri**, C.S.Cutler, L. Watkinson, T. Carmack, C. J.Smith, , M. Kuchuk, M. Khoobchandani, K. K. Katti, S. K. Loyalka , K.V. Katti, "Production and In Vivo Evaluation of Radioactive MGF-^{198}AuNPs for Prostate Cancer Treatment" a poster was introduced and won in 21st International Symposium on Radiopharmaceutical Sciences in May 2015.

C- Conference Papers

1. Kvar C. L. Black; Mingzhou Zhou; Pinaki Sarder; Maryna Kuchuk; **Amal Y. Al-Yasiri**; Sean P. Gunsten; Kexian Liang; Heather M. Hennkens; Walter J. Akers; Richard Laforest; Steven L. Brody; Cathy S. Cutler; Samuel Achilefu, "Dual-radiolabeled nanoparticle probes for depth-independent in vivo imaging of enzyme activation" Proc. SPIE 10508, Reporters, Markers, Dyes, Nanoparticles, and Molecular Probes for Biomedical Applications X, 1050805 (February20, 2018); doi: 10.1117/12.2301033;https://doi.org/10.1117/12.2301033

2. **Amal Y Al-Yasiri**, Cathy S Cutler, L Watkinson, T Carmack, Charles J Smith, Maryna Kuchuk, Menka Khoobchandani, Kattesh V Katti, Sudarshan Loyalka, Kattesh V Katti, "Production and In Vivo Evaluation of Radioactive MGF-(198) AuNPs for Prostate Cancer Treatment", Journal Of Labelled Compound & Radiopharmaceuticals (May 15, 2015), Vol.58

D- **Conference Presentations:**

1. **Amal Y. Al-Yasiri** "Effect of Low-Power Laser Irradiation Time on Human Blood Cells" International conference on photonics research, October 8-12, 2018. Kemer /Antalya-Turkey.

2. Kattesh V. Katti, Menka Khoobchandanai, **Amal Y. Al-Yasiri**, Kavita K. Katti, Cathy Cutler, Sudarshan Loyalka, "Radioactive Gold-198 Nanoparticles In Nanomedicine: Green Nanotechnology and Radiochemical Approaches in Oncology", 6th Asia-Pacific

Symposium on Radiochemistry, September 17- 22, 2017 • ICC Jeju • Jeju Island, Korea.