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*I am a dedicated researcher with M.Sc. in Green and Environmental Engineering, specializing in dosimetry and TLD-100. With valuable experience in experimental design and data analysis, I have contributed to the scientific community through publications and presentations in conferences. As an honored student of my class, I bring strong critical thinking abilities and a commitment to academic excellence. I aim to apply my expertise in green and environmental engineering to drive innovative projects and sustainability initiatives. You will not regret it.*

## EDUCATION

SCE - Sami Shamoon college of Engineering

July 21 - Present

### M.Sc - Green and Environmental Engineering

Thesis in Dosimetry, Investigation, and Specialized in dosimetry, with a focus on exploring the effects of dose rate, heating rate, and cooling rate as function of dose response.

\* Collaborated with a research group, making significant contributions to the publication of two articles in the esteemed journal "Radiation Protection Dosimetry" (RPD).

\* Presented two abstracts at the prestigious SSD20 conference, with the distinction of being the first writer for one of them. Notably, one of the abstracts was titled "Investigation of dose rate effects at a dose of 15 Gy in the thermoluminescence of LiF:Mg,Ti (TLD-100)."

### B.Sc- Electrical and electronics engineering

Oct' 17- July 21

Specialization in high voltage / strong current -Top projects:

\* Electrical network planning.

\* Research projects - Design and forming simulations of a grating coupler coupled to a slab waveguide – **MATLAB** simulation.

## EXPERIENCE

SCE - Sami Shamoon college of Engineering Researcher in the physics department

2021 - Present

- cutting-edge research projects.
- Conducted in-depth analyses and experiments to explore complex phenomena, applying advanced methodologies and techniques.
- Collaborated with a multidisciplinary team of researchers, fostering a dynamic and intellectually stimulating research environment.

SCE - Sami Shamoon college of Engineering Lecturer and Instructor

2021 - Present

Lecturer in the Department of Physics and laboratory instructor.

### Additional Course

1. Board Design
2. RF - Microwave

## SKILLS

- #. Skilled in TL and OSL dose-response analysis, accurately estimating radiation doses through luminescent responses.
- #. Experienced in CGCD techniques for analyzing complex glow curve shapes and extracting radiation characteristics.
- #. Strong background in ionizing radiation environments, adhering to safety protocols, and contributing to research advancements.
- #. Excellent problem-solving and analytical skills applied to drive research progress.

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## RECENT DEVELOPMENTS IN COMPUTERISED ANALYSIS OF THERMOLUMINESCENCE GLOW CURVES: SOFTWARE CODES, MECHANISMS AND DOSIMETRIC APPLICATIONS

*May 22*

Y.S. Horowitz , L. Oster, G. Reshes , D. Nemirovsky , D. Ginzburg , S. Biderman , **Y. Bokobza** , M. Sterenberg and I. Eliyahu

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### **The thermoluminescence (TL) dose response of composite peak 5 in LiF:Mg,Ti (TLD-100): dependence on the order of kinetics**

*Aug 22*

D. Nemirovsky , L. Oster , G. Reshes , S. Biderman , **Y. Bokobza** , M. Sterenberg , I. Eliyahu and Y.S. Horowitz.

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### **Investigation of the Isothermal decay at 175 o C and 185 o C of the Optical Absorption Bands in LiF:Mg,Ti (TLD-100)**

*Sep 23*

Eliyahu, I., Oster L., Reshes, G., Biderman, S., Einav, H., **Bokobza Y.**, Sterenberg, M., Shapiro, A., Herman, B., Nemirovsky D., Horowitz, Y.S. Conference abstract

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### **Investigation of possible dose-rate effects at a dose of 15 Gy in the thermoluminescence of LiF:Mg,Ti-(TLD-100).**

*Sep 23*

**Bokobza, Y.**, Eliyahu, I., Oster, L., Reshes, G., Biderman, S., Einav, H., Sterenberg, M., Shapiro, A., Herman, B., Nemirovsky, D., Horowitz, Y.S. Conference abstract