



Nada Fouad Sayed Goda

ندا فؤاد سيد جودة

Official E-mail

✉ nadafouad@lira.bsu.edu.eg

Page link

<https://www.researchgate.net/profile/Nada-Fouad-3>

<https://orcid.org/my-orcid?orcid=0000-0003-4566-1171>

<https://scholar.google.com/citations?user=v1Xml4UAAAAJ&hl=en>

EDUCATION

2017 | B. Sc. in "Special Physics", Beni-Suef University, Egypt.

2019 | Diploma in "Laser Interaction with Materials", Beni-Suef University, Egypt.

2022 | M.Sc. in " Laser interaction with matter", Laser Institute for research and applications, Beni-Suef University, Egypt.

Thesis Title: " Performance of high-speed laser diode and its application in WDM optical fiber transmission systems"

CAREER SUMMARY

2022 | Assistant Lecturer, Laser Institute for research and applications, Beni-Suef University, Egypt.

2018-2022 | Teaching Assistant, Laser Institute for research and applications, Beni-Suef University, Egypt.

RESEARCH INTERESTS

- Laser-Assisted Synthesis of Nanomaterials
- Semiconductor lasers
- High-Power Laser Systems and Applications

Computer Skills

- Holds ICDL certificate. Some knowledge Mathematica .
- Great experience in Origin and Optisystem softwares.

- **Fouad, N.**, Mahmoud, A., Samad, F. A., Abd El-Salam, Y., Ashour, M., Apsari, R., & Mohamed, T. (2024). [Utilizing the 2nd harmonic Nd: YAG laser ablation in liquid for the production of copper oxide quantum dots: Influence of laser fluence and ablation duration.](#) *Physica B: Condensed Matter*, 694, 416453.
- **Fouad, N.**, Mahmoud, A., & Mohamed, T. (2024). [Review on the chirping characteristics of directly modulated laser diodes under high transmission speeds in optical fiber networks.](#) *Laser Innovations for Research and Applications*, 1(1), 1-21.
- Kandil, H., Ahmed, E., **Fouad, N.**, Ali Dabbous, O., Niazy, M., & Mohamed, T. (2023). [Using Femtosecond Laser Light-activated materials: the biomimetic dentin remineralization was monitored by Laser-Induced Breakdown Spectroscopy.](#) *Medicina*, 59(3), 591.
- Mahmoud, A., **Fouad, N.**, Ahmed, M., & Mohamed, T. (2023). [Effect of linewidth enhancement factor of laser diode and fiber dispersion management on high-speed optical fiber links performance and use in WDM systems.](#) *Optical and Quantum Electronics*, 55(2), 158.
- **Fouad, N.**, Mohamed, T., & Mahmoud, A. (2022). [Impact of linewidth enhancement factor and gain suppression on chirp characteristics of high-speed laser diode and performance of 40 Gbps optical fiber links.](#) *Applied Physics B*, 128(3), 45.