

Curriculum Vitae



Personal Information

Name: Bilal Abdallah Sa`deh Zeyadeh
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General Information

Date & Place of Birth: 15/6/1968, Madama (Nablus / West Bank), Palestine
Gender: Male
Marital status Married
Nationality: Jordanian

Education

- Ph.D. in Physics (18/11/1998) Malaysia National University (UKM), Malaysia.
- M.Sc. in Physics (24/1/1993) University of Jordan, Amman Jordan.
- B.Sc. in Physics (28/1/1990) University of Jordan, Amman Jordan.
- General Secondary Education Certificate, (21/7/1986) Howwarah Secondary School.

Dissertation Titles

- Ph.D. “Optical Sensing of Carbon Monoxide Gas Using Hematin Langmuir-Blodgett Films”
- Ms. C. “Atomic Mixing of Sb with Glass”

Current Position

- Supervisor of Math & Science (National and International program) Al Farid Star Academy and Schools, Amman, Jordan, 23/8/2020 – Present

Relevant Experience and Employment Record:

- Asst. Prof. AL-Ghad International College for Applied Medical Sciences, Jeddah, KSA, 15/9/2019 – 31/7/2020.
- Asst. Prof. Al – Jouf University, Al Jouf, Al Qurrayat, KSA, 8/11/2013 – 6/8/2019.
- Asst. Prof. Batterjee Medical College (BMC), Jeddah, KSA, 10/1/2013 – 19/5/2013.
- Asst. Prof. Al – Jouf University, Al Jouf, Sakaka, KSA, 1/9/2001 – 24/8/2012.
- Asst. Prof.: Physics Department, Applied Science University, Amman 11931, Jordan- 28/9/1999 – 10/9/2001.
- Research Officer; Microelectronics Research Center, Electrical Engineering Department, UKM, Malaysia- Feb.1999 - May 1999
- Research Assistants, Physics Department / Malaysia National University (UKM) October 1994 - Feb. 1999,
- Teacher of Science, Al-Hayah school / Amman, Jordan. November 1992 - June 1993
- Lab Assistants, Physics Department / University of Jordan. December 1989 - December 1992.

Administrative Experience

- Coordinator of Academic Affairs/ College of Science and Arts in Al Qurrayat, Al – Jouf University, 15/9/2014 – 6/8/2019.
- -Head (Coordinator) of the Department of Physics / College of Science, Al – Jouf University for the academic year 2011 / 2012
- -Coordinator of Educational Affairs/ College of Education, Al – Jouf University for the academic years 2009 / 2010 – 2010 / 2011.
- -Head (Coordinator) of the Department of Science / College of Education, Al – Jouf University for the academic year 2008 / 2009

Computer and Language Skills

- ICDL, 2007.
- Arabic, English, Bahasa Melayu

Fields of Interest

- Solid State Physics, Physics of Thin Films, Molecular Electronics and Optoelectronics, Sensors, Atomic Force Microscope, Langmuir – Blodgett (LB) films, Nanotechnology.

Membership of Professional Organizations

- Saudi Physical Society (2007)
- Arab Council for Gifted & Talented
- Jordan Physical Society

Professional Qualifications (Courses/Certificates/ Training)

1. Training course "Electronic tests by Blackboard" Deanship of e - learning and distance education - Jouf University 2019.
2. **Training course "Strategies for active education" Skills Development Center - Al - Jouf University 10/12/2018.**
3. **Training Course "Designing and Building E - Learning Objects Strategies and Tools" Committee of Deans of E - Learning and Distance Education in Saudi Universities 10/11/2018**
4. **Workshop " eScianta – How to select the right journal " E – library 26/11/2017**
5. **Workshop "Search in Public Information Sources – Science Direct" E – library 20/11/2017.**
6. **Workshop "Introduction to ProQuest E book Central" E – library 13/11/2017.**
7. **Workshop "Search in Public Information Sources – Springer" E – library 1/11/2017.**
8. **Workshop "The Basics of Photography" Al-Jouf University 17/9/1438.**
9. **Workshop “Self-Assembled Monolayers” NACK Network webinar, 11/5/2015.**
10. **Workshop “Nanotechnology, Energy, and Energy Storage” NACK Network webinar, 10/4/2015.**
11. **Workshop “Electronic Scientific Boards” Al – Jouf University, 1438.**
12. **Workshop “Generic course design” Al – Jouf University, 1437.**
13. **Workshop " Measures of self-evaluation of higher education institutions "**

- Vice President for Quality and Accreditation, Aljouf University, 15 -17 /12 / 2013, (15 – training hours)
14. Meeting “**10th SESAME Users Meeting**” Amman Jordan, 7 – 9 / 11 / 2012.
 15. Workshop " **The Initial Academic Advising at Al – Jouf University** " College of Education, Al – Jouf University, 4 / 4 / 1431
 16. Training Course " **Developing the skills of administrative leadership** " (36 – training hours) 12 – 17 / 11 1430.
 17. Training Course presented by Dr. Tariq Sweidan "**Model Leader**" (3 – training hours) 11/16/1430.
 18. Training Course: "**Be Positive**" (3 – training hours) 05/04/1430.
 19. Training Course "**Strategic Planning In Educational Institutions**" (12 – training hours) 1 - 3 / 4 / 1430
 20. Training Course " **Academic Leadership in the Era of Change**" (12 - training hours) 26-28 / 3 / 1430.
 21. Training Course "**Jusur Program of e-Learning**" (2 - training hours) 2008.
 22. Training Course "**Methods of Islamic Science**" (6 – training hours **2008**).
 23. Training Course " **Effective Style of Speech Delivery** " (8 - training hours) **2007**
 24. Training Course "**Writing Achievement Tests**" (8 - training hours) **2007**
 25. Training Course "**Wonders of Flexibility**" (4 – training hours) **2007**
 26. Seventh Petra School of Physics: “**Physics of New Materials: Theory and Application**” Amman, Jordan 17-22 Sep. **2000**>
 27. **SESAME Machine Workshop**, Al-Balqa Applied University, Al-Salt/Jordan 9-18 Sep. **2000**.
 28. ICS-UNIDO, IMS-NCST Vietnam Training Course on **Optical Fiber, Sensors and Communication**, Hanoi 8-21 Sep. **1997**.
 29. First Asean schools in Materials Science [**Optical Phenomena in Solids and Physics Of Optoelectronic Materials And Devices**]” Hanoi 15 - 30 March **1996**.
 30. **Research Methodology in Science**, Department of Chemistry Malaysia National University (UKM), Bangi, Selangor, Malaysia (22-24th April, **1995**). Offered by Professor Dr. Shabbir Ahmad Tariq, La Trobe University, Faculty of Science & Technology, Bundoora, Victoria 3083, Astralia

Presentations

1. Siva Prasad Peddi, Hamadi Mathlouthi, **Bilal** Abdallah Sadeh &Y. Abdelhaye 2017 " **Up and Downconversion Luminescence Studies of Erbium Doped Yttrium Oxide Nanoparticles for Sensing Applications** " Presented at the Scientific Conference in Surface Science and Its Applications (CSSA-2017), College of Science-Aljouf University – Aljouf – Sakaka – KSA (1-2/ May 2017).
2. **Bilal** Abdallah Sadeh, Siva Prasad Peddi, Hamadi Mathlouthi, & Y. Abdelhaye

- 2017 " **Structural and Luminescence Studies of Ho³⁺ doped Y₂O₃ Luminophors Prepared Using Modified Urea Route** " Presented at the Scientific Conference in Surface Science and Its Applications (CSSA-2017), College of Science-Aljouf University – Aljouf – Sakaka – KSA (1-2/ May 2017).
3. Siva Prasad Peddi, **Bilal** Abdallah Sadeh 2015 "**Study Of The Contraction Of The Lattice Parameters of Silver Nanoparticles Synthesized Using Achyranthes Aspera L Stem Extract**", Saudi Physical Society's, 2nd Annual Meeting Atomic, Molecular And Optical Physics (Amop), Al-Jouf University KSA, **Marh31st - April 1st, 2015.**
 4. Siva Prasad Peddi, **Bilal** Abdallah Sadeh 2015 " **Structural Studies of Silver Nanoparticles obtained through Single-Step Green Synthesis**" Presented at the ICAM-2015 International Conference on Advanced Materials Irbid, Jordan April 27-29, 2015.
 5. Belal, A. S. "**Langmuir-Blodgett Film**" Presented at Al-Jouf University, 2 December 2015.
 6. Belal, A. S. "**Physics in Our Life**" Presented at Al-Jouf University, 1 May. 2010.
 7. Belal, A. S. **Ion Beam mixing of Sb/glass studied by Rutherford backscattering spectrometry** Presented at the Saudi Physical Society (SPS) 3rd meeting, held in King Abdulazia City for Science and Technology (KACST) December 18-20, **2006.**
 8. Belal, A. S. "**Rutherford backscattering spectrometry**" Presented at Al-Jouf University, 15 Mar. 2005.
 9. Belal, A. S. Salleh, M. M. and Yahaya, M. "**Extending the Atomic Force Microscope to Scan the Cross Section of Thin Samples**" Presented at the 15th Solid State Science and Technology Conferences, 13-15, December, 1998. Seri Malaysia, Bagan Lalang, Selangor.
 10. Belal, A. S. "**Pyroelectric Sensors**" Presented at the Sensor Seminar, Physics Department, Universti Kebangsaan Malaysia, 6 Nov. **1998.**
 11. Belal, A. S. "**An Optical Fiber Carbon Monoxide Gas Sensor Using Langmuir-Blodgett Films**" Presented at the Malaysian Science and Technology Congress`98, Hyatt Regency, Juhor Bahru, 30-31 October **1998.**
 12. Belal, A. S. "**An Optical Fiber Gas Sensor Using Langmuir-Blodgett Films**" Presented at the Optical Communications: Materials and Devices '98 Conference, TMPRC-University of Malaya, Kuala Lumpu, 19-20 March **1998.**
 13. Belal, A. S. "**Carbon Monoxide Langmuir-Blodgett Films Gas Sensor**" presented at the 14th Solid State Science and Technology Conferences, IDEAL, UPM, 9-10 December **1997.**
 14. Belal, A. S. "**An Optical Fiber System For Carbon Monoxide Gas Sensor**" presented at the IEEE National Symposium on Microelectronic; NSM'97, UKM. 24-25 November, **1997.**
 15. Belal, A. S. "**Optical fiber gas sensors**" presented at The ICS-UNIDO, IMS-NCST Vietnam Training Course on Optical Fiber, Sensors and Communication,

Hanoi 8-21 September 1997.

16. Belal, A. S. “**Optical Gas Sensing of Hematin Mixed With Arachidic Acid Langmuir-Blodgett Films**” presented at the National Science and Technology Conference 97 NASTEC’97. Nikko Hotel, Kuala Lumpur 15-16 July 1997.
17. Belal, A. S. “**Scanning Atomic Force Microscopy on Hematin Langmuir-Blodgett Films**” presented at the 13th Solid State Science and Technology Conferences. Pan-Pacific Hotel, Johor Bahru Johor, Malaysia, 10-11 December 1996.
18. Belal, A. S. “**Langmuir-Blodgett Films For Gas Sensing**” presented at the 1996 Annual Postgraduate Seminar in Physics. Physics Department, Malaysia National University (UKM) 12 November 1996.
19. Belal, A. S. “**Langmuir-Blodgett Films In Optical Switching**” presented at the First Asean schools in Materials Science [Optical Phenomena In Solids And Physics Of Optoelectronic MATERIALS AND DEVICES]. Hanoi 15 - 30 March 1996.
20. Belal, A. S. “**Optical Waveguide Claddings Using Langmuir-Blodgett Films**” presented at the ASIAN SCIENCE AND TECHNOLOGY CONGRESS 1995 (ASTC’95). 5-7, Kuala Lumpur, Malaysia, December 1995.
21. Belal, A. S. “**Study X-Ray Diffraction Pattern in Langmuir-Blodgett Films Using Molecular Arrangement Model**” presented at the 12th Solid State Science and Technology Conferences, Novotel Hotel Pulau Pinang, Malaysia 2-3 November 1995.
22. Belal, A. “**Langmuir-Blodgett Films**” presented at the 1995 Annual Postgraduate Seminar in Physics. Physics Department, Malaysia National University (UKM) 7 September 1995.
23. Belal, A. S. “**Atomic Force Microscope**” seminar given at the Physics Department, Malaysia National University (UKM) 23 March 1995.
24. Belal, A. S. “**Rutherford backscattering spectrometry**” seminar given at the Physics Department, Jordan University, 1992.
25. Belal, A. S. “**Auger Spectroscopy**” seminar given at the Physics Department, Jordan University, 1991.

Publications

1. Siva Prasad Peddi, Bilal Abdallah Sadeh. 2019 “**Modified Urea Route (MUR) Synthesis of Nd³⁺: Y₂O₃ Nanoparticles Suitable For Industrial Production**” *International Journal of Mechanical and Production Research and Development (IJMPERD) Vol. 9, Issue 1, Feb 2019, 631-638 ISSN(P): 2249-6890; ISSN(E): 2249-8001.*
2. Siva Prasad Peddi, Hamadi Mathlouthi, Bilal Abdallah Sadeh & Y. Abdelhaye 2017 “**Up and Downconversion Luminescence Studies of Erbium Doped Yttrium Oxide Nanoparticles for Sensing Applications**” *Aljouf University Science and Engineering Journal (AUSEJ) 2017; 4(2): 23-27 Special Issue "Scientific Conference in Surface*

- Science and Its Applications (CSSA-2017)" **ISSN: 1658-6670**
3. **Bilal** Abdallah Sadeh, Siva Prasad Peddi, Hamadi Mathlouthi, &Y. Abdelhaye 2017 "**Structural and Luminescence Studies of HO³⁺ Doped Y₂O₃ Luminophors Prepared Using Modified Urea Route**" *Aljouf University Science and Engineering Journal (AUSEJ) 2017; 4(2): 18-22* Special Issue "Scientific Conference in Surface Science and Its Applications (CSSA-2017)" **ISSN: 1658-6670**.
 4. Siva Prasad Peddi, Hamadi Mathlouthi, **Bilal** Abdallah Sadeh &Y. Abdelhaye 2017 " **Synthesis and Characterization of Rare Earth Doped Yttrium Oxide Nanoparticles for Applications in Bio sensing and Imaging Through Modified Urea-Route**" *Aljouf University Science and Engineering Journal (AUSEJ) 2017; 4(1): 01-07* **ISSN: 1658-6670**.
 5. Siva Prasad Peddi, Hamadi Mathlouthi, **Bilal** Abdallah Sadeh &Y. Abdelhaye 2016 "**Downconversion Properties of Er³⁺ Y₂O₃ Luminophors Synthesized Using Modified Urea Route For Sensing Applications and PC-LEDs**" *International Journal of Mechanical and Production Research and Development (IJMPERD) Vol. 6, Issue 6, Dec 2016, 31-44* **ISSN(P): 2249-6890; ISSN(E): 2249-8001**.
 6. Siva Prasad Peddi, **Bilal** Abdallah Sadeh &Y. Abdelhaye 2015 "**Synthesis and Characterization of Sm - Doped Zinc Oxide Nano – Crystalline Powders**" *International Journal of Semiconductor Science & Technology (IJSST) Vol. 5, Issue 4, Dec 2015, 1-8* **ISSN(P): 2250-1576; ISSN(E): 2278-9405**.
 7. Siva Prasad Peddi, **Bilal** Abdallah Sadeh 2015 "**Structural Studies of Silver Nanoparticles obtained through Single-Step Green Synthesis**" *International Conference on Advanced Materials (ICAM 2015), IOP Conf. Series: Materials Science and Engineering 92 (2015) 012004*.
 8. Siva Prasad Peddi, **Bilal** Abdallah Sadeh 2015 "**Study of the Contraction of the Lattice Parameters of Silver Nanoparticles Synthesized Using Achyranthes Aspera L Stem Extract**" *International Journal of Nanotechnology and Application (IJNA), Vol. 5, Issue 3, Jun 2015, 1-12, ISSN(P): 2277-4777; ISSN(E): 2278-9391*.
 9. Siva Prasad Peddi, **Bilal** Abdallah Sadeh 2015 "**Biosynthesis of Silver Nanoparticles Using Achyranthes Aspera L Stem Extract**" *International Journal of Physics and Research (IJPR), Vol. 5, Issue 1, Feb 2015, 41-54 . ISSN(P): 2250-0030; ISSN(E): 2319-4499*.
 10. Siva Prasad Peddi, **Bilal** Abdallah Sadeh, & M. V. Ramana 2015 "**Rapid Green Synthesis And Characterization Of Silver Nanoparticles Using Eclipta prostrata Leaf Extract**" *International Journal of Physics and Research (IJPR), Vol. 5, Issue 1, Feb 2015, 7-16. ISSN(P): 2250-0030; ISSN(E): 2319-4499*.
 11. A. S. **Belal** 2012 "**Ion Beam Mixing of Sb/Glass Studied by Rutherford Backscattering Spectrometry**" *Arab J Sci Eng (2012) 37:201–207*.
 12. Muhamad Mat Salleh, M. Yahaya, Mursyidah and A.S. **Belal** 2000"**Environmental Gas Sensing Using Thin Films**". *Prosiding Simposium*

Fisika Nasional XVIII, Buku II, Serpong, Indonesia, 25-27 April. 2000. ISSN 1411-4771, (2000), P. 200-205.

13. **Belal**, A. S. Salleh, M. M. and Yahaya, M. 1998. **Extending the Atomic Force Microscope to Scan the Cross Section of Thin Samples** *Journal of Solid State Science and Technology Letters* **5**(2) (Supplementary) 29.
14. **Belal**, A. S. Salleh, M. M. and Yahaya, M. 1998. **Carbon Monoxide Fibre Optic Gas Sensor.** *Singapore Journal of Physics* **14**, 43-49.
15. **Belal**, A. S. Salleh, M. M. and Yahaya, M. 1998. **Carbon Monoxide Langmuir-Blodgett Films Gas Sensor.** *J. of Solid State Science and Technology* **6**(1) 91-100.
16. **Belal**, A. S. Salleh, M. M. and Yahaya, M. 1998. **An Optical Fiber Gas Sensor Using Langmuir-Blodgett Films.** *Proceeding of the Optical Communications: Materials and Devices '98 Conference*, TMPRC-University of Malaya. pp.71-75.
17. Salleh, M. M. **Belal**, A. S. and Yahaya, M. 1998. **Optical gas sensing of hematin Langmuir-Blodgett films.** *SPIE Proceedings Vol. 3175*, Third International Conference on Thin Film Physics and Applications. Editor(s) Shixun, Z. et. al. Meeting Date: 04/15 - 04/17/97, Shanghai, China. ISBN: 0-8194-2673-3, 498 pages. Paper #: 3175-13, pp.77-81, doi:10.1117/12.300641.
18. Salleh, M. M. **Belal**, A. S. and Yahaya, M. 1997. **The use of Langmuir-Blodgett films of hematin mixed with arachidic acid to detect carbon monoxide gas.** *Sains Malaysiana* **26** (3&4) 99-107, ISSN 0126-6039.
19. Belal, A. S. Salleh, M. M. and Yahaya, M. 1997. **An Optical Fiber System For Carbon Monoxide Gas Sensor.** *Proceeding of the IEEE National Symposium on Microelectronic; NSM'97*, 87-90.
20. **Belal**, A.S., Mohamad Md Salleh, & Mohammad Yahaya (1997). **Optical waveguide claddings using Langmuir-Blodgett films.** *Jurnal Fizik UTM*, **4**(1), 19-24. ISSN 0128-8644.
21. Salleh, M. M. **Belal**, A. S. and Yahaya, M. 1997. **Optical Gas Sensing of Hematin Mixed with Arachidic Acid Langmuir-Blodgett Films.** *Proceeding of NASTEC'97 National Science and Technology Conference*, 64-70.
22. **Belal**, A. S. Salleh, M. M. and Yahaya, M. 1997. **Study of X-Ray Diffraction Pattern in Langmuir-Blodgett Films Using Diffraction by Few Slits Model** *Supramolecular Science* **4**(3-4) 535-538. DOI: [10.1016/S0968-5677\(97\)00059-X](https://doi.org/10.1016/S0968-5677(97)00059-X)
23. Belal, A. S. Salleh, M. M. and Yahaya, M. 1996. **Hematin Langmuir-Blodgett Films in Gas Sensing.** *Prosiding Seminar Siswazah Fizik'96*, 33-45.
24. **Belal**, A. S. Salleh, M. M. and Yahaya, M. 1996. **Langmuir-Blodgett Films For Optical Devices.** *Proceeding of The National Center For Science and Technology of Vietnam* **2**(2) 117-122.
25. **Belal**, A. S. Salleh, M. M. and Yahaya, M. 1996. **Study X-Ray Diffraction Pattern in Langmuir-Blodgett Films Using Molecular Arrangement Model.** *Bulletin of Malaysia Solid State Science & Technology* **6**(2) Issue 15, 51-56.
26. **Belal**, A.S., Salleh, M.M., & Yahaya, M. (1996). **X-ray diffraction study of**

Langmuir-Blodgett films unit cells. *Singapore Journal of Physics*, 12(1), 103-107, ISSN 0217-4251.

27. **Belal**, A. S. Salleh, M. M. and Yahaya, M. 1995. **Optical Waveguide Claddings Using Langmuir-Blodgett Films.** Proceeding of Asian Science and Technology Congress 1995. 373-382.

References:

- Prof. Dr. Muhamad Mat Salleh
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- Prof. Dr. Muhamad Yahaya
Physics Department, FSFG, UKM, 43600 Bangi, Selangor, MALAYSIA
Tel: (603 -8292900) Fax (603-8292880), E-Mail: myahya@pkriscc.ukm.my
- Prof. Dr. Mahmoud Mar'i, President of Middle East University, Amman , Jordan.
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