

## CURRICULUM VITAE

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### 1. Personal Data

Date of Birth: 11 /02 / 1970

Nationality: Jordanian

### 2. Education

- Ph.D. (Mathematics/ Differential geometry) 2001, Aristotle University of Thessaloniki, Thessaloniki, Greece.
- B.Sc. (Mathematics) 1994, Aristotle University of Thessaloniki, Thessaloniki, Greece.

### 3. Ph.D. Dissertation

“*Linear Geometry in projective and Euclidean spaces*”, Aristotle University of Thessaloniki, Thessaloniki, Greece.

### 4. Employment

#### Academic Positions



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- Assistant Professor, Department of Mathematics, Philadelphia University, Jarash, Jordan  
Second semester 2002/2003 (Part time)
- Assistant Professor, Department of Basic Sciences, Al Baha Al Ahliyya College of Science, Al Baha, Saudi Arabia  
(Second semester 2003/2004)
- Assistant Professor, Department of Mathematics, Al Zaytoonah University of Jordan, Amman, Jordan  
September 2004 – *current*

### Administrative Positions

- Chairman of Department of Basic Sciences, Faculty of Science and Information Technology, Al Zaytoonah University of Jordan, Amman, Jordan, 1/10/2018 – 1/10/2019.

### 5. Research Interests

Dr. H. Al-Zoubi main current research interests focus on surfaces of finite Chen-type, a topic which has been investigated about 40 years ago from B.Y. Chen corresponding to the first fundamental form of a surface and it has been a topic of active research since then. In this respect, H. Al-Zoubi and others, followed this theme by investigating surfaces of finite type corresponding to the second and third fundamental form of the surface. Another types of research are:

- 1) Studying surfaces of coordinate finite type corresponding to the second and third fundamental form.
- 2) Studying surfaces of coordinate finite type Gauss map corresponding to the second and third fundamental form.
- 3) Studying surfaces of finite type Gauss map corresponding to the second and third fundamental form.

These types of research can be applied on special classes of surfaces such as ruled surfaces, tubes, quadric surfaces, cones, translation surfaces, surfaces of revolution and other more classes.

### 6. Teaching Experience

- *Undergraduate Courses*

1. *Euclidean Geometry*
2. *Differential Equations*



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3. *Numerical Analysis*
4. *Set Theory*
5. *Statistic and probabilities*
6. *Calculus I- IV*
7. *Linear Algebra*
8. *Introduction to geometry 1*
9. *Introduction to geometry 2*

## 7. Membership of Committees

- **University**
  - Certificate equivalency committee
  - Examinations Committee
  - Quality assurance committee
  - Social and culture committee

## 8. Professional and Scientific Meetings

- 4<sup>th</sup> International congress of Geometry, 26<sup>th</sup> May-1<sup>st</sup> June 1996, Thessaloniki.
- 5<sup>th</sup> Panhellenic congress of Geometry, 31<sup>st</sup> May- 2<sup>nd</sup> June 2001, Thessaloniki.

## 9. Publications

### • Papers in refereed journals

1. **H. Al-Zoubi**, M. Al- Sabbagh, Anchor rings of finite type Gauss map in the Euclidean 3-space, *International Journal of Mathematical and Computational Methods*, Vol. 5, (2020), pp 9–13.
2. **H. Al-Zoubi**, H. Brham, T. Hamadneh and M. Al Rawajbeh, Tubes of coordinate finite type Gauss map in the Euclidean 3-space, *Indian Journal of Mathematics*, (accepted).
3. T. Hamadneh, **H. Al-Zoubi** and Saleh Ali Alomari, Fast Computation of Polynomial Data Points Over Simplicial Face Values, *Journal of Information & Knowledge Management*, Vol. 19, No. 1 (2020), pp 1–13.
4. T. Hamadneh, M. Ali and **H. AL-Zoubi**, Linear Optimization of Polynomial Rational Functions: Applications for Positivity Analysis, *Mathematics*, Vol. 8, No. 2 (2020), pp 1–12.
5. M. Abu Hammad, H. Alzaareer, **H. Al-Zoubi** & H. Dutta, Fractional Gauss hypergeometric differential equation, *Journal of Interdisciplinary Mathematics*, Volume 22 issue 7 (2019) pp. 1113-1121.



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6. M. Al Rawajbeh, I. Al Hadid, **H. Al-Zoubi**, Adoption of Cloud Computing in Higher Education Sector: An Overview, *International Journal of Technology and Engineering Studies*, Volume 5 issue 1 (2019) pp. 28-34.
7. S. Bendehiba, **H. Al-Zoubi**, Translation surfaces of finite type in  $Sol_3$ , *Commentationes Mathematicae Universitatis Carolinae*, (accepted).
8. S. Al-Zu'bi, Y. Jarawsheh, **H. Al-Zoubi**, M. Elbes, T. Kanan, B. Cupta, Multi-orientation geometric medical volumes segmentation using 3D multiresolution analysis, *Multimedia Tools and Applications*, Volume 78, Issue 17, pp 24223–24248.
9. M. A. Awadallah, M. Al-Betar, A. Bolaji, E. M. Alsukhni, **H. Al-Zoubi**, Natural selection methods for artificial bee colony with new versions of onlooker bee, *Soft Computing*, Volume 23 (2019) No. 15, 6455–6494.
10. **H. Al-Zoubi**, M. Al- Sabbagh, S. Stamatakis, On surfaces of finite Chen III-type, *Bull. Of the Belgian Mathematical society*, Volume 26 (2019) No. 2, 177–187.
11. **H. Al-Zoubi**, A. Dababneh, M. Al- Sabbagh, Ruled surfaces of finite II-type, *WSEAS Transactions on Mathematics*, Vol. 18, 2019, 1-5.
12. **H. Al-Zoubi**, S. Al-Zu'bi, S. Stamatakis, H. Almimi, Ruled surfaces of finite Chen-type, *Journal for Geometry and Graphics*, Volume 22 (2018), No. 1, 15–20.
13. **H. Al-Zoubi**, K. Jaber, S. Stamatakis, Tubes of finite Chen-type, *Communications of the Korean Mathematical Society*, Volume 33 (2017) No. 2, 581–590.
14. **H. Al-Zoubi**, Tubes of finite II-type in the Euclidean 3-space, *WSEAS Transactions on Mathematics*, Vol. 17, 2018, 1-5.
15. **H. Al-Zoubi**, S. Stamatakis, W. Al-Mashaleh, M. A. Awadallah, Translation surfaces of coordinate finite type, *Indian Journal of Mathematics*, Vol. 59, No. 2, 2017, 227-241.
16. **H. Al-Zoubi**, S. Stamatakis, Ruled and quadric surfaces satisfying  $\Delta^{\text{III}}\mathbf{x} = \Lambda\mathbf{x}$ , *Journal for Geometry and Graphics*, Volume 20, No. 2, (2016) 147–157.
17. S. Stamatakis, **H. Al-Zoubi**, Surfaces of revolutions satisfying  $\Delta^{\text{III}}\mathbf{x} = \Lambda\mathbf{x}$ , *Journal for Geometry and Graphics* Volume 14, No. 2, (2010), 181–186.
18. S. Stamatakis, **H. Al-Zoubi**, On surfaces of finite Chen type. *Result. Math.* 43, 2003, 181-190.

- **Books**

1. Introduction to Geometry, Dar Alam Althaqafa for Publishing and Distribution, 2015.
2. Development and modernization of Euclidean geometry book for Alquds Almaftooha University, 2011.

- **Conference Presentations**



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1. *1<sup>st</sup> Arab Conference in Mathematics, Applied Science Private University October 2004, Amman.*
2. *ICMM 2016: International conference on mathematics and mechanics, 1-2 May 2016 Venice, Italy.*
3. *Icpam 2017: International conference of pure and applied mathematics, 22-25 July 2017, Prague, Czech Republic.*
4. *ICAMCS 2018: International Conference on Applied Mathematics and Computer Science Jan 19-21/2018 Budapest, Hungary.*
5. *AMACS 2018: 3rd International Conference on Applied Mathematics And Computer Science London, UK, October 26-28, 2018.*
6. *(JEEIT) 2019: IEEE Jordan International Joint Conference on Electrical Engineering and Information Technology, April 9-11, 2019, Amman, Jordan.*
7. *OMG Conference 2019: 16-20 Sep. 2019, Dornbin, Austria.*