The Public Authority for Applied Education & Training
College of Technological Studies
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Faculty Name **Sameh A. Alkharashi**
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Education

PhD.	Applied Mathematics, Tanta Univ., Egypt	2012
MSc.	Applied Mathematics, Tanta Univ., Egypt	2007
BSc.	Mathematics, Tanta Univ., Egypt	2001

Academic Experience

2021 – Present	Lecturer, CTS (PAAET), Kuwait
2016 – 2021	Teacher, CTS (PAAET), Kuwait
2011 – 2016	Teaching Assistant, CTS (PAAET), Kuwait
2012 – Present	Assistant Professor, Quesna Technical College, Egypt
2002 – 2012	Faculty Member, Quesna Technical College, Egypt

Academic Profiles

- https://www.scopus.com/authid/detail.uri?authorId=23487838800
- https://www.webofscience.com/wos/author/record/2141262
- https://orcid.org/0000-0002-5827-5918
- https://scholar.google.com/citations?hl=en&user=0izvszcAAAAJ
- https://www.researchgate.net/profile/Sameh-Alkharashi

Research Interests

- Fluid Mechanics and Hydrodynamic Stability, with interest in flow behavior and stability analysis.
- Porous Media, Viscoelastic Flows, and Magnetohydrodynamics (MHD) in theoretical and applied fluid systems.
- Mathematical Modeling and analytical methods for studying fluid flow and transport phenomena.

Honors & Awards

- Certificate of Excellence for Best Presentation and Scientific Content – Barcelona International Conference (2018).
- Certificate of Excellence for Best Presentation and Scientific Content – ICSET Conference, Istanbul (2024)

Service Activities

- Member of the Editorial Board of several international scientific journals.
- Reviewer for more than 60 scientific manuscripts in international peer-reviewed journals indexed in Scopus and Web of Science.
- Active participation in international conferences and scientific events.
- Departmental Committee Memberships:
  - Research Committee (2012 – Present)

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- Timetables Committee (2016 – Present)

Publications

1. **Sameh A. Alkharashi** and A. Assaf, "Analysis of MHD Dusty Flow of Non-Newtonian Liquids through a Slippery Inclined Heated Channel," Physica Scripta, Vol. 100, (2025), 105208. https://doi.org/10.1088/1402-4896/ae0c62.
2. A. Assaf and **Sameh A. Alkharashi**, "Long Waves Propagating at the Interface between an Inviscid Subsonic Gas and an Oldroyd-B Liquid Flowing down an Oblique Substrate," Dynamics of Atmospheres and Oceans, Vol. 111, (2025), 101587. https://doi.org/10.1016/j.dynatmoce.2025.101587.
3. **Sameh A. Alkharashi** and Wafa Alotaibi, "Structural Stability of a Porous Channel of Electrical Flow Affected by Periodic Velocities," Journal of Engineering Mathematics, Vol. 141, Article 3, (2023). https://doi.org/10.1007/s10665-023-10278-3.
4. **Sameh A. Alkharashi**, Kh. Al-Hamad and A. Alrashidi, "Outlining the Impact of Structural Properties of a Multilayered Porous Channel with Oscillating Velocities and Fields," Dynamics of Atmospheres and Oceans, Vol. 102, (2023), 101366. https://doi.org/10.1016/j.dynatmoce.2023.101366.
5. **Sameh A. Alkharashi**, Khaled Al-Hamad and Azizah Alrashidi, "An Approach Based on the Porous Media Model for Multilayered Flow in the Presence of Interfacial Surfactants," Pramana – Journal of Physics, Vol. 96, Article 140, (2022). https://doi.org/10.1007/s12043-022-02385-0.
6. **Sameh A. Alkharashi** and M. Sirwah, "Dynamical Responses of Inclined Heated Channel of MHD Dusty Fluids through Porous Media," Journal of Engineering Mathematics, Vol. 130, Article 5, (2021). https://doi.org/10.1007/s10665-021-10160-0.
7. **Sameh A. Alkharashi** and A. Alrashidi, "Dynamical Behavior of a Porous Liquid Layer of an Oldroyd-B Model Flowing over an Oscillatory Heated Substrate," Sādhanā, Vol. 45, Article 7, (2020), pp. 1–16. https://doi.org/10.1007/s12046-019-1240-8.
8. **Sameh A. Alkharashi** and A. Assaf, "Thermodynamics of a Liquid Film in the Presence of External Shear Stress," Journal of Applied Fluid Mechanics, Vol. 13, No. 2, (2020), pp. 753–766. https://doi.org/10.29252/jafm.13.02.30356.
9. **Sameh A. Alkharashi**, "A Model of Two Viscoelastic Liquid Films Traveling down in an Inclined Electrified Channel," Applied Mathematics and Computation, Vol. 355, (2019), pp. 553–575. https://doi.org/10.1016/j.amc.2019.03.005.
10. A. Assaf and **Sameh A. Alkharashi**, "Hydromagnetic Instability of a Thin Viscoelastic Layer on a Moving Column," Physica Scripta, Vol. 94, (2019), 045201 (19 pp.). https://doi.org/10.1088/1402-4896/aaf948.

11. **Sameh A. Alkharashi**, A. Assaf, K. Al-Hamad and A. Alrashidi, "Performance Evaluation of Insoluble Surfactants on the Behavior of Two Electric Layers," Journal of Applied Fluid Mechanics, Vol. 12, No. 2, (2019), pp. 573–586. https://doi.org/10.29252/jafm.12.02.28618.
12. K. Zakaria and **Sameh Alkharashi**, "Modeling and Analysis of Two Electrified Films Flow Traveling down between Inclined Permeable Parallel Substrates," Acta Mechanica, Vol. 228, (2017), pp. 2555–2581. https://doi.org/10.1007/s00707-017-1847-y.
13. **Sameh Alkharashi** and Yasser Gamiel, "Stability Characteristics of Periodic Streaming Fluids in Porous Media," Theoretical and Mathematical Physics, Vol. 191, No. 1, (2017), pp. 580–601. https://doi.org/10.1134/S0040577917040092.
14. K. Zakaria and **Sameh Alkharashi**, "Linear Stability of a Thin Film Flow along Permeable Wall under Alternating Electric Field," ZAMM – Zeitschrift für Angewandte Mathematik und Mechanik, Vol. 96, No. 10, (2016), pp. 1184–1204. https://doi.org/10.1002/zamm.201400209.
15. **Sameh Alkharashi**, "Dynamical System of Three Magnetic Layers in the Presence of Porous Media," Journal of Applied Mathematics and Physics, Vol. 3, No. 3, (2015), pp. 310–321. https://doi.org/10.4236/jamp.2015.33044.

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