

List of Publications:

Authored Books:

2011

1. **L. A. Said**, A. H. Madian, and A. M. Soliman, “Active Circuits: Active realization of doubly terminated L.C. ladder filters using active building blocks,” LAMBERT Academic Publishing LAP, 2011

Edited Books:

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1. Ahmed Radwan, Farooq Khanday, **Lobna Said**, “Fractional Order Systems: An Overview of Mathematics, Design, and Applications for Engineers,” Academic Press, Elsevier, October 2021 ([Link](#))
2. Ahmed Radwan, Farooq Khanday, **Lobna Said**, “Fractional-Order Design: Devices, Circuits, and Systems,” Academic Press, Elsevier, October 2021. ([Link](#))
3. Ahmed Radwan, Farooq Khanday, **Lobna Said**, “Fractional-Order Modeling of Dynamic Systems with Applications in Optimization, Signal Processing, and Control,” Academic Press, Elsevier, October 2021. ([Link](#))

Chapters:

2018

1. **Lobna A. Said**, Karabi Biswas, Ahmed G. Radwan, “Fractional-Order Filter Design,” Fractional Order Systems, pp. 357–382, 2018. doi.org/10.1016/b978-0-12-816152-4.00012-1
2. **Lobna A. Said**, Ahmed G. Radwan, Ahmed H. Madian, Ahmed M. Soliman, “Survey on Two-Port Network Based Fractional-Order Oscillators,” Fractional Order Systems, pp. 305–327, 2018. doi.org/10.1016/b978-0-12-816152-4.00010-8
3. Wafaa S. Sayed, Samar M. Ismail, **Lobna A. Said**, Ahmed G. Radwan, “On the Fractional-Order Generalized Discrete Maps,” Mathematical Techniques of Fractional Order Systems, pp. 375–408, 2018. <https://doi.org/10.1016/b978-0-12-813592-1.00013-1>
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6. Omar Elwy, Esraa M. Hamed, Somia H. Rashad, Amr M. AbdelAty, **Lobna A. Said**, Ahmed G. Radwan, “On the Approximation of Fractional-Order Circuits Design,” Fractional Order Systems, pp. 239–270, 2018. doi.org/10.1016/b978-0-12-816152-4.00008-x

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7. Ahmed J. Abd El-Maksoud, Ayman A. Abd El-Kader, Bahy G.Hassan, Mohamed A. Abdelhamed, Nader G. Rihan, Mohamed F. Tolba, **Lobna A. Said**, Ahmed G. Radwan, Mohamed F. Abu-Elyazeed, “FPGA Implementation of Integer/Fractional Chaotic Systems,” Multimedia Security Using Chaotic Maps: Principles and Methodologies, Springer,2020. https://doi.org/10.1007/978-3-030-38700-6_9

8. Irene S. Fahim, Ahmed M. Hassanein, Lobna A. Said , Ahmed H. Madian, “Design and fabrication of CNT/graphene-based polymer nanocomposite applications in nanosensors,” Nanofabrication for Smart Nanosensor Applications, Elsevier, 2020.
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9. Menna Mohsen, Mohamed S. Ghoneim, Lobna A. Said , A. S. Elwakil, A. H. Madian, Ahmed G. Radwan, “Modeling Woody Plant Tissue Using Different Fractional-Order Circuits” Fractional-Order Modeling of Dynamic Systems with Applications in Optimization, Signal Processing, and Control, Academic Press, Elsevier, October 2021.
10. N. A. Khalil, M. Mohsen, G. M. Ahmed, Lobna A. Said , A. H. Madian and A. G. Radwan, "Fractional-Order Oscillators Based on single Op-Amp," Fractional Order Systems: An Overview of Mathematics, Design, and Applications for Engineers, Academic Press, Elsevier, October 2021
11. N. A. Khalil, Lobna A. Said , A. G. Radwan, and A. M. Soliman, "A Survey on Memristor Active Emulation Circuits in the Fractional-Order Domain," Fractional Order Systems: An Overview of Mathematics, Design, and Applications for Engineers, Academic Press, Elsevier, October 2021.
12. Arezki Fekik, Mohamed Lamine Hamida, Hamza Houassine, Hakim Denoun, Sundarapandian Vaidyanathan, Nacera Yassa, Ahmed G. Radwan, and Lobna A. Said “Observability of speed D.C. motor with self-tuning fuzzy fractional-order controller” Fractional Order Design: Devices, Circuits and Systems, Academic Press, Elsevier, October 2021.

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77. The total impact factor of the published journals

#	Journal Title	No. of Papers	Impact Factor	Sum of IF
1	AEU - International Journal of Electronics and Communications,	13	3.169	41.197
2	JAR-Journal of advanced research	2	12.822	25.644
3	Circuits, Systems, and Signal Processing (CSSP)	6	2.311	13.866
4	IEEE Transactions on Circuits and Systems I, (TCAS I)	2	4.14	8.28
5	Applied Soft Computing (ASOC)	1	8.263	8.263
6	Nonlinear dynamics	1	5.741	5.741
7	Microelectronics journal	5	1.992	9.96
8	International Journal of circuit theory and applications (CTA)	2	2.378	4.756
9	Journal of Circuits, Systems, and Computers	1	1.278	1.278
10	IEEE Access	8	3.476	27.808
11	Chaos, Solitons & Fractals	4	9.922	39.688
12	Analog Integrated Circuits and Signal Processing	3	1.321	3.963
13	Signal Processing	1	4.729	4.729
14	Arabian Journal for Science and Engineering	2	2.807	5.614
15	IEEE SENSORS JOURNAL	1	4.325	4.325
16	Ain Shams Engineering Journal	2	4.79	9.58
17	IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS—II: EXPRESS BRIEFS	1	3.691	3.691
18	Digital Signal Processing	1	2.92	2.92
19	Fractals	1	4.555	4.555
20	Scientific Reports	1	4.996	4.996
21	International Journal of Bifurcation and Chaos	1	2.45	2.45
22	Electronics	2	2.69	5.38
23	Sensors	1	3.847	3.847
24	Fractal and Fractional	1	3.577	3.577
Sum of Impact Factors				247.429