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كلية المأمون الجامعة
العراق /بغداد/شارع ١٤ رمضان
هاتف: ٠٧٨١٠٣٩٤٤٤١

	<ul style="list-style-type: none">• الاسم : علي محمد علي (محاضر)• اللقب العلمي: استاذ مساعد• البريد الالكتروني: ali-alsaegh@mtu.edu.iq• موبايل:• الجنسية : عراقي• مكان العمل: محاضر
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دكتوراه	<ul style="list-style-type: none">• التعليم /المؤهلات الدراسية
١٥ سنة	<ul style="list-style-type: none">• الخبرة
<ul style="list-style-type: none">• S. D. Awad , A. Sali, M. M. Al-Wani, Ali M. Al-Saegh, J. S. Mandeep, and RSA R. Abdullah, "End-to-End Dvb-S2x System Design with DI-Based Channel Estimation Over Satellite Fading Channels at Ka-Band," Computer Networks, vol. 236, 110022, 2023. (Clarivate Analytics, IF: 5.6).• Ali M. Al-Saegh, N. M. Noori, M. N. Majeed, H. W. Hilom M. A. Ahmed, "Satellite communications technology in Iraq, intrusion and incursion", Journal of Al-Ma'moon College, vol. 2, 38, pp. 226-255, 2023.• A. H. J. Aljumaily, A. Sali, V. P. G. Jimenez, F. P. Fontan, J. S. Mandeep, A. Ismail, Q. Al-Maatouk, Ali M. Al-Saegh, D. Al-Jumeily, "Evaluation of 5G Coexistence and Interference Signals in the C-Band Satellite Earth Station", <i>IEEE Transactions on</i>	<ul style="list-style-type: none">• البحوث/الكتب



Vehicular Technology, vol. 71, no. 6, pp. 6189-6200, June 2022.
(Clarivate Analytics, IF: 6.239).

- P. M. Kalaivaanan, A. Sali, RSA. R. Abdullah, S. Yaakob, J. S. Mandeep, and **Ali M. Al-Saegh**, " On-The-Move Measurement Analysis for Ka-Band High Throughput Satellite and LiFi Communication Networks in Tropical Region " *IEEE Access*, vol. 9, 2021. (Clarivate Analytics, IF: 3.745).
- P. M. Kalaivaanan, A. Sali, RSA. R. Abdullah, S. Yaakob, J. S. Mandeep, and **Ali M. Al-Saegh**, "Measuring Contention and Congestion on Ad-Hoc Multicast Network Towards Satellite on Ka-Band and LiFi Communication Under Tropical Environment Region" *IEEE Access*, vol. 8, pp. 108942-108951, 2020. (Clarivate Analytics, IF: 3.745).
- T. A. Elwi, **Ali M. Al-Saegh**, "Further realization of a flexible metamaterial-based antenna on indium nickel oxide polymerized palm fiber substrates for RF energy harvesting." *International Journal of Microwave and Wireless Technologies*: 1-9, 2020. (Clarivate Analytics, IF: 0.939).
- S. D. Awad , A. Sali, **Ali M. Al-Saegh**, M. M. Al-Wani, RSA R. Abdullah, and J. S. Mandeep, "Beamforming and Scheduling Techniques for Multibeam DVB-S2X Over Rainy Fading Satellite Channel." *IEEE Access* , vol. 8, pp. 41116-41127, 2020. (Clarivate Analytics, IF: 3.745)., pp. 15-25, 2020. (Clarivate Analytics, IF: 1.734).
- P. M. Kalaivaanan, A. Sali, RSA. R. Abdullah, S. Yaakob, J. S. Mandeep, and **Ali M. Al-Saegh**, "Evaluation of Ka-band Rain Attenuation for Satellite Communication in Tropical Regions through a Measurement of Multiple Antenna Sizes." *IEEE Access*, vol. 8, pp. 18007-18018, 2020. (Clarivate Analytics, IF: 3.745).
- **Ali M. Al-Saegh**, T. A. Elwi, "Direct extraction of rain-induced impairments on satellite communication channel in subtropical climate at K and Ka bands," *Telecommunication Systems*, vol. 74 (1), pp. 15-25, 2019. (Clarivate Analytics, IF: 1.734).
- **Ali M. Al-Saegh**, "Optimal approach for building scheduling algorithm in satellite communication." *International Journal of*

Engineering & Technology, vol. 7 no. 2.28, pp. 181-186, 2018. (Scopus, CiteScore: 0.1).

- **Ali M. Al-Saegh**, A. Sali, J. S. Mandeep, and F. P. Fontán, "Channel Measurements, Characterization, and Modeling for Land Mobile Satellite Terminals in Tropical Regions at Ku-band", *IEEE Transactions on Vehicular Technology*, vol. 66 (2), pp. 897-911, 2016. (Clarivate Analytics, IF: 5.379).
- **Ali M. Al-Saegh**, A. Sali, J. S. Mandeep, and A. Ismail, "Tracking- and Scintillation-Aware Channel Model for GEO Satellite to Land Mobile Terminals at Ku-Band", *International journal of antennas and propagation*, 2015. (Clarivate Analytics, IF: 1.205).
- **Ali M. Al-Saegh**, A. Sali, J. S. Mandeep, and A. Ismail, "Extracted atmospheric impairments on earth-sky signal quality in tropical regions at Ku-band", *Journal of Atmospheric and Solar-Terrestrial Physics*, 104, (0), (Clarivate Analytics, IF: 1.503).
- **Ali M. Al-Saegh**, A. Sali, J. S. Mandeep, A. Ismail, and A. H. J. Aljumaily, "Earth-Sky Link Quality Performance for Fixed and Mobile Scenarios in Tropical Regions", *PIER C*, 39, pp. 61-75, 2013 (Scopus, CiteScore: 2.7).
- A.H.J. Aljumaily, S. H. Alrubaei, V. P. G. Jimenez, **Ali M. Al-Saegh**, and Dhiya Al-Jumeily, "Architecture Design of B5G and 6G Millimeter-Wave Radio Access Network: Using Wireless Communications to Increase Coverage, Capacity and Performance", *Accepted for publication in 16th International Conference on the Developments in eSystems Engineering (DeSe2023)*, Istanbul, Turkey, 2023.
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- S. D. Awad, A. Sali, **Ali M. Al-Saegh**, R.S.A. Raja Abdullah, J. S. Mandeep, "On Capacity and Error Performance of DVB-S2X



System over Rician Fading Channel", *2019 IEEE International Conference on Space Science and Communication (IconSpace)*, Johor Bahru, Malaysia, pp. 68-72, 2019. (Scopus cited).

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- L.L. Thian, **Ali M. Al-Saegh**, K.F. Ramli, N.S. Ibrahim, A. Sali, and M.I. Salman, "Energy-driven scheduling for Digital Video Broadcasting-Satellite Second Generation (DVB-S2)", *2013 IEEE International Conference on Space Science and Communication (IconSpace)*, Melaka, Malaysia, pp. 385-390, 2013. (Scopus cited).
- A.H.J. Aljumaily, A. Sali, A. Ismail, J.S. Mandeep, and **Ali M. Al-Saegh**, "Performance analysis of rain attenuation at Ku-band in Malaysia", *2013 IEEE International Conference on Space Science and Communication (IconSpace)*, Melaka, Malaysia, pp.160-163, 2013. (Scopus cited).
- **Ali M. Al-Saegh**, A. Sali, J. S. Mandeep, A. Ismail, A.H.J. Aljumaily, and C. Gomes, "Atmospheric propagation model for satellite communications", in *MATLAB Applications for the Practical Engineer*, InTech Co., 2014. (*InTech metrics: Downloaded more than 6000 times*).

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- **Name:** Ali M. Al-Saegh
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- **Nationality:** Iraqi
- **Place of work:**



https://scholar.google.com/citations?user=_asFnt4AAAAJ	• روابط المواقع البحثية العالمية
العربية والانكليزية	• اللغات

• Educational Qualifications	PhD
• Experiences	15 years



• **Research/books**

- S. D. Awad , A. Sali, M. M. Al-Wani, **Ali M. Al-Saegh**, J. S. Mandeep, and RSA R. Abdullah, "End-to-End Dvb-S2x System Design with DI-Based Channel Estimation Over Satellite Fading Channels at Ka-Band," Computer Networks, vol. 236, 110022, 2023. (Clarivate Analytics, **IF: 5.6**).
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<ul style="list-style-type: none"> International research websites 	<p>https://scholar.google.com/citations?user=_asFnt4AAAAJ</p>
<ul style="list-style-type: none"> Languages 	<p>English - arabic</p>