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Keywords
Planar Antenna, Passive devices

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Biography

Natarajamani S received the B.E and M.E degrees from Anna University, India, in 2005 and 2007, respectively, Ph.D from National Institute of Technology-Rourkela, India in 2014. He is presently working as an Assistant Professor in the Department of Electronics and Communication Engineering, Amrita Vishwa Vidyapeetham-Coimbatore, India. His current research interest includes Planar Antennas for wireless application

Employment (1)

Sort

Amrita Vishwa Vidyapeetham: Coimbatore, Tamil Nadu, IN
2015-07-08 to present | Assistant Professor (Electronics and Communication Engineering)
Employment

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Education and qualifications (2)

Sort

National Institute of Technology Rourkela: Rourkela, Orissa, IN
2010-10-01 to 2014-08-13 | Ph.D (Electronics and Communication Engineering)
Education

Source: NATARAJAMANI S ★ Preferred source

Anna University Chennai: Chennai, Tamil Nadu, IN
2005-06-01 to 2007-05-11 | Master of Engineering (Electronics and Communication Engineering)
Education

Source: NATARAJAMANI S ★ Preferred source

Funding (1)

Sort

Help

Automated structural evolution and performance optimization of RF bandpass filter - An evolutionary Algorithmic Design Approach
Indian Space Research Organisation (Bengaluru)
2018-08 to 2020-12 | Grant

Source: NATARAJAMANI S ★ Preferred source

Works (22 of 22)

Sort

Design of Half Mode Substrate Integrated Waveguide based Dual-Band Bandpass Filter
2020 Third International Conference on Smart Systems and Inventive Technology (ICSSIT)
2020-08 | conference-paper
DOI: 10.1109/icssit48917.2020.9214299 (https://doi.org/10.1109/icssit48917.2020.9214299)
ISBN: 9781728158211 (https://www.worldcat.org/isbn/9781728158211)

Source: NATARAJAMANI S ★ Preferred source (of 2)

Multi-objective Optimization of Cross Coupled Resonators Based Microstrip Bandpass Filter using PSO
2020 5th International Conference on Communication and Electronics Systems (ICCES)
2020-06 | conference-paper
DOI: 10.1109/icces48766.2020.9137892 (https://doi.org/10.1109/icces48766.2020.9137892)
ISBN: 9781728153711 (https://www.worldcat.org/isbn/9781728153711)

Source: NATARAJAMANI S ★ Preferred source

Design of Microstrip Bandpass Filter Based on Genetic Optimization
2019 International Conference on Communication and Electronics Systems (ICCES)
2019-07 | conference-paper
DOI: 10.1109/icces45898.2019.9002296 (https://doi.org/10.1109/icces45898.2019.9002296)
ISBN: 9781728112619 (https://www.worldcat.org/isbn/9781728112619)

Source: NATARAJAMANI S ★ Preferred source (of 2)

Design of Rectifier at ISM Band for RF Energy Harvesting of Low Powers
2019-04 | conference-paper
DOI: 10.1109/iccsp.2019.8697979 (https://doi.org/10.1109/iccsp.2019.8697979)
ISBN: 9781538675953 (https://www.worldcat.org/isbn/9781538675953)

Source: NATARAJAMANI S ★ Preferred source

Design of Compact Polarization Reconfigurable Monopole Antenna
2018 3rd International Conference on Communication and Electronics Systems (ICCES)
2018-10 | conference-paper
DOI: 10.1109/cesys.2018.8724098 (https://doi.org/10.1109/cesys.2018.8724098)
ISBN: 9781538647653 (https://www.worldcat.org/isbn/9781538647653)

Source: NATARAJAMANI S ★ Preferred source (of 3)

A Broadband Circularly Polarized Microstrip Patch Antenna for X-Band Applications
2018 International Conference on Wireless Communications, Signal Processing and Networking (WiSPNET)
2018 | conference-paper
DOI: 10.1109/WiSPNET.2018.8538492 (https://doi.org/10.1109/wispnet.2018.8538492)

Source: NATARAJAMANI S ★ Preferred source

A Circularly-polarized Patch Antenna using Pin-loaded Technique with PSO
2018 International Conference on Advances in Computing, Communications and Informatics (ICACCI)
2018 | conference-paper
DOI: 10.1109/ICACCI.2018.8554943 (https://doi.org/10.1109/icacci.2018.8554943)

Source: NATARAJAMANI S ★ Preferred source

Compact Tunable Dual-band Bandpass Filter using Edge-open Split Ring Resonators for X-Band Applications
2018 International Conference on Advances in Computing, Communications and Informatics (ICACCI)
2018 | conference-paper
DOI: 10.1109/ICACCI.2018.8554708 (https://doi.org/10.1109/icacci.2018.8554708)

Source: NATARAJAMANI S ★ Preferred source (of 2)

Dual-band Bandpass Filter Using Complementary Split Ring Resonators for X-Band Applications
2018 International Conference on Wireless Communications, Signal Processing and Networking (WiSPNET)
2018 | conference-paper
DOI: 10.1109/WiSPNET.2018.8538448 (https://doi.org/10.1109/wispnet.2018.8538448)

Source: NATARAJAMANI S ★ Preferred source

Minkowski Fractal Circularly Polarized Planar Antenna for GPS Application
Procedia Computer Science
2018 | journal-article
DOI: https://doi.org/10.1016/j.procs.2018.10.352 (https://doi.org/10.1016/j.procs.2018.10.352)

Source: NATARAJAMANI S ★ Preferred source

MIMO antenna for mobile terminals with enhanced isolation in LTE band
2017 International Conference on Advances in Computing, Communications and Informatics (ICACCI)
2017 | conference-paper
DOI: 10.1109/ICACCI.2017.8126177 (https://doi.org/10.1109/icacci.2017.8126177)

Source: NATARAJAMANI S ★ Preferred source

A Compact planar diversity antenna for ultra-wideband application with band-notched function
Microwave and Optical Technology Letters
2013 | journal-article
DOI: 10.1002/mop.27435 (https://doi.org/10.1002/mop.27435)
EID: 2-s2.0-84874411982

Source: NATARAJAMANI S *via* Scopus - Elsevier ★ Preferred source

A triple band-notched planar antenna for UWB applications
Journal of Electromagnetic Waves and Applications
2013 | journal-article
DOI: 10.1080/09205071.2013.803443 (https://doi.org/10.1080/09205071.2013.803443)
EID: 2-s2.0-84879093143

Source: NATARAJAMANI S *via* Scopus - Elsevier ★ Preferred source

Planar ultrawideband fractal antenna with 3.4/5.5 GHz dual band-notched characteristics
International Journal of Signal and Imaging Systems Engineering
2013 | journal-article
DOI: 10.1504/IJSISE.2013.051507 (https://doi.org/10.1504/ijsise.2013.051507)
EID: 2-s2.0-84872738740

Source: NATARAJAMANI S *via* Scopus - Elsevier ★ Preferred source

A triple band-notched planar monopole antenna for ultrawide band applications
Microwave and Optical Technology Letters
2012 | journal-article
DOI: 10.1002/mop.26581 (https://doi.org/10.1002/mop.26581)
EID: 2-s2.0-84055183709

Source: NATARAJAMANI S *via* Scopus - Elsevier ★ Preferred source

Antipodal vivaldi antenna UWB antenna with 5.5GHz band-notch characteristics
2012 International Conference on Computing, Electronics and Electrical Technologies, ICCEET 2012
2012 | conference-paper
DOI: 10.1109/ICCEET.2012.6203866 (https://doi.org/10.1109/icceet.2012.6203866)
EID: 2-s2.0-84863100106

Source: NATARAJAMANI S *via* Scopus - Elsevier ★ Preferred source

A compact wide band patch antenna for WLAN application
2010 2nd International Conference on Computing, Communication and Networking Technologies, ICCCNT 2010
2010 | conference-paper
DOI: 10.1109/ICCCNT.2010.5592601 (https://doi.org/10.1109/icccnt.2010.5592601)
EID: 2-s2.0-78549235066

Source: NATARAJAMANI S *via* Scopus - Elsevier ★ Preferred source

Compact CPW-fed dual-band antenna for WLAN/UWB application
2010 IEEE International Conference on Communication Control and Computing Technologies, ICCCCT 2010
2010 | conference-paper
DOI: 10.1109/ICCCCT.2010.5670789 (https://doi.org/10.1109/iccct.2010.5670789)
EID: 2-s2.0-78751548726

Source: NATARAJAMANI S *via* Scopus - Elsevier ★ Preferred source

Compact slot antenna for UWB application and band-notch designs
Proceedings - 2010 International Conference on Computational Intelligence and Communication Networks, CICN 2010
2010 | conference-paper
DOI: 10.1109/CICN.2010.13 (https://doi.org/10.1109/cicn.2010.13)
EID: 2-s2.0-79952080020

Source: NATARAJAMANI S *via* Scopus - Elsevier ★ Preferred source

Inverted U-shaped dielectric resonator antenna for WLAN
2010 IEEE International Conference on Communication Control and Computing Technologies, ICCCCT 2010
2010 | conference-paper
DOI: 10.1109/ICCCCT.2010.5670788 (https://doi.org/10.1109/iccct.2010.5670788)
EID: 2-s2.0-78751540135

Source: NATARAJAMANI S *via* Scopus - Elsevier ★ Preferred source

Planar ultrawideband antenna with 5.5GHz band dispensation characteristics

Proceedings of the 2010 Annual IEEE India Conference: Green Energy, Computing and Communication, INDICON 2010

2010 | conference-paper

DOI: 10.1109/INDCON.2010.5712686 (https://doi.org/10.1109/indcon.2010.5712686)

EID: 2-s2.0-79952477965

Source: NATARAJAMANI S *via* Scopus - Elsevier ★ Preferred source

Design of multi slotted and multi frequency patch antenna

Applied Electromagnetics Conference, AEMC 2009 and URSI Commission B Meeting

2009 | conference-paper

DOI: 10.1109/AEMC.2009.5430687 (https://doi.org/10.1109/aemc.2009.5430687)

EID: 2-s2.0-77952414778

Source: NATARAJAMANI S *via* Scopus - Elsevier ★ Preferred source

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