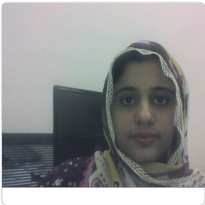


Ayesha Habib

Assistant Professor  
Military College of Signals

Email: ayesha.habib@mcs.edu.pk  
Contact:  
LinkedIn:



About

Dr. Ayesha Habib is working as Assistant Professor in the Military College of Signals. Dr. Ayesha Habib has a PhD in Telecommunication. Dr. Ayesha Habib has published 32 research articles & conference papers having a citation count of 270, carried out 1 projects and filed 0 intellectual property.

Qualifications

|                                                                                      |             |
|--------------------------------------------------------------------------------------|-------------|
| <b>PhD in Telecommunication</b><br>UET Taxila , Pakistan                             | 2014 - 2018 |
| <b>MS in Telecommunication</b><br>UET Taxila , Pakistan                              | 2012 - 2014 |
| <b>BE in Telecommunication</b><br>National University of Modern Languages , Pakistan | 2007 - 2011 |
| <b>F.Sc in Pre-Engineering</b><br>FBISE, Islamabad , Pakistan                        | 2005 - 2007 |
| <b>Matric (SSC) in Science</b><br>FBISE, Islamabad , Pakistan                        | 2003 - 2005 |

Experience

|                                                                                                                                  |               |
|----------------------------------------------------------------------------------------------------------------------------------|---------------|
| <b>Assistant Professor</b><br>Military College of Signals                                                                        | 2023- Present |
| <b>Assistant Professor</b><br>Military College of Signals                                                                        | 2018 - 2023   |
| <b>Assistant Professor</b><br>Air University, Islamabad , Air University, Islamabad                                              | 2018 - 2018   |
| <b>Teaching Assistant</b><br>University of Engineering and Technology, Taxila , University of Engineering and Technology, Taxila | 2014 - 2016   |
| <b>Research Associate</b><br>University of Engineering and Technology, Taxila , University of Engineering and Technology, Taxila | 2014 - 2017   |
| <b>Internee</b><br>Special Communication Organization , Special Communication Organization                                       | 2011 - 2011   |

Awards

|                                                                                                                    |      |
|--------------------------------------------------------------------------------------------------------------------|------|
| <b>Fully Funded Scholarship</b><br>Got fully funded scholarship program opportunity to pursue my Doctorate Degree. | 2014 |
| <b>Scholarship</b><br>Got scholarship in 7th semester of bachelors of engineering                                  | 2011 |
| <b>Scholarship</b><br>Got scholarship in 6th semester of bachelors of engineering                                  | 2010 |
| <b>Scholarship</b><br>Got scholarship in 5th semester of bachelors of engineering                                  | 2010 |
| <b>Scholarship</b><br>Got scholarship in 4th semester of bachelors of engineering                                  | 2009 |
| <b>Scholarship</b><br>Got scholarship in 3rd semester of bachelors of engineering                                  | 2009 |
| <b>Scholarship</b><br>Got scholarship in 2nd semester of bachelors of engineering                                  | 2008 |

Research Projects

|                                                                                                                                                                                          |      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| <b>National Projects</b>                                                                                                                                                                 |      |
| <b>PAK-UK Education Gateway Mobility Partnership Grant For Faculty</b><br><b>Funding Agency:</b> British Council<br><b>Amount:</b> PKR 2,810,000.00<br><b>Status:</b> Approved_inprocess | 2023 |

International Projects

Research Articles

|                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| <b>Chipless RFID based multi-sensor tag for printed electronics</b><br><i>Momina Nadeem Ayesha Habib Mir Yasir Umair</i><br><i>Heliyon</i> , Volume 10, Issue 4, Article Number e26494<br><b>Impact Factor:</b> 4.000   <b>Quartile:</b> 2   <b>Citations:</b> 5<br><b>DOI:</b> <a href="https://doi.org/10.1016/j.heliyon.2024.e26494">https://doi.org/10.1016/j.heliyon.2024.e26494</a>                                       | 2024 |
| <b>Ground Radiation Based Triple-Band MIMO Antenna with Wideband Characteristics for Wi-Fi and Wi-Fi 6E Applications</b><br><i>Muhammad Zeeshan Zahid Ayesha Habib Longyue Qu</i><br><i>Progress in Electromagnetic Research C</i> , Volume 133, Pages 209-218<br><b>Impact Factor:</b> 0   <b>Citations:</b> 3<br><b>DOI:</b> 10.2528/PIERC23041702                                                                            | 2023 |
| <b>Fully Printable Eco-Friendly Chipless RFID Sensor</b><br><i>Wahida Islam Ayesha Habib Mir Yasir Umair Muhammad Zeeshan Zahid</i><br><i>Arabian Journal for Science and Engineering</i> , Pages 1-10<br><b>Impact Factor:</b> 2.807   <b>Quartile:</b> 2   <b>Citations:</b> 5<br><b>DOI:</b> <a href="https://doi.org/10.1007/s13369-023-07848-z">https://doi.org/10.1007/s13369-023-07848-z</a>                             | 2023 |
| <b>Radio Frequency Identification Temperature/CO2 Sensor Using Carbon Nanotubes</b><br><i>Ayesha Habib Safia Akram Mohamed R. Ali Taseer Muhammad Sajeela Zainab Shafia Jehangir</i><br><i>Nanomaterials</i> , Volume 13(2), Article Number 273<br><b>Impact Factor:</b> 5.3   <b>Quartile:</b> 1   <b>Citations:</b> 12<br><b>DOI:</b> <a href="https://doi.org/10.3390/nano13020273">https://doi.org/10.3390/nano13020273</a> | 2023 |
| <b>Printed Humidity Sensor for Low-cost Item Tagging</b><br><i>Muhammad Tanzeel Khalid Ayesha Habib Momina Nadeem Mir Yasir Umair Nimra Javed</i><br><i>AEU - International Journal of Electronics and Communications</i> , Volume 157, Article Number 154441<br><b>Impact Factor:</b> 3.169   <b>Quartile:</b> 2   <b>Citations:</b> 7<br><b>DOI:</b> 10.1016/j.aeue.2022.154441                                               | 2022 |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| <b>Data dense chipless RFID tag with efficient band utilization</b><br><i>Ayesha Habib Alina Mirza Mir Yasir Umair Muhammad Nabeel Salimi Sagheer Ahmed Yasar Amin</i><br><i>AEU - International Journal of Electronics and Communications</i> , Volume:152, Article Number 154220<br><b>Impact Factor:</b> 3.183   <b>Quartile:</b> 2   <b>Citations:</b> 12<br><b>DOI:</b> <a href="https://doi.org/10.1016/j.aeue.2022.154220">https://doi.org/10.1016/j.aeue.2022.154220</a> | 2022 |
| <b>RFID Enabled Chipless Humidity Sensor</b><br><i>N. Javed T.Noor Y. Amin H. Tenhunen Ayesha Habib</i><br><i>The Nucleus</i> , Volume 56, Issue 1, Pages 27-30<br><b>Impact Factor:</b> 0<br><b>DOI:</b> <a href="http://www.thenucleuspak.org.pk/index.php/Nucleus/article/view/327">http://www.thenucleuspak.org.pk/index.php/Nucleus/article/view/327</a>                                                                                                                    | 2019 |
| <b>Polarization insensitive compact chipless RFID tag</b><br><i>Ayesha Habib Javeria A. Satti Yasar Amin Hannu Tenhunen Sumra Zeb</i><br><i>Applied Computational Electromagnetics Society Journal</i> , Volume 33, Issue 3, Pages 312-318<br><b>Impact Factor:</b> 0.584   <b>Quartile:</b> 4<br><b>DOI:</b> <a href="https://aces-society.org/search.php?vol=33&amp;no=3&amp;type=2">https://aces-society.org/search.php?vol=33&amp;no=3&amp;type=2</a>                        | 2018 |
| <b>Miniaturized humidity and temperature sensing RFID enabled tags</b><br><i>Javeria Anum Satti Ayesha Habib Hafsa Anam Sumra Zeb Yasar Amin Jonathan Loo Hannu Tenhunen</i><br><i>International Journal of RF and Microwave Computer Aided Engineering</i> , Volume 28, Issue 1<br><b>Impact Factor:</b> 1.472   <b>Quartile:</b> 3   <b>Citations:</b> 22<br><b>DOI:</b> 10.1002/mmce.21151                                                                                    | 2018 |
| <b>RFID humidity sensor tag for low-cost applications</b><br><i>Amjad Ali Syeda I. Jafri Ayesha Habib Yasar Amin H. Tenhunen</i><br><i>Applied Computational Electromagnetics Society Journal</i> , Volume 32, Issue 12, Pages 1083-1088<br><b>Impact Factor:</b> 0.590   <b>Quartile:</b> 4<br><b>DOI:</b> <a href="https://aces-society.org/search.php?vol=32&amp;no=12&amp;type=2">https://aces-society.org/search.php?vol=32&amp;no=12&amp;type=2</a>                        | 2017 |
| <b>Dual-polarized chipless humidity sensor tag</b><br><i>Sumra Zeb Ayesha Habib Javeria Anum Satti Yasar Amin Jonathan Loo Hannu Tenhunen</i><br><i>IEICE Electronic Express</i> , Volume 14, Issue 21<br><b>Impact Factor:</b> 0.475   <b>Quartile:</b> 4   <b>Citations:</b> 6<br><b>DOI:</b> 10.1587/elex.14.20170926                                                                                                                                                         | 2017 |
| <b>Highly-dense flexible chipless RFID tag</b><br><i>Javeria Anum Satti Ayesha Habib Sumra Zeb Yasar Amin Jonathan Loo Hannu Tenhunen</i><br><i>IEICE Electronic Express</i> , Volume 14, Issue 18<br><b>Impact Factor:</b> 0.475   <b>Quartile:</b> 4   <b>Citations:</b> 1<br><b>DOI:</b> 10.1587/elex.14.20170750                                                                                                                                                             | 2017 |
| <b>Directly printable organic ASK based Chipless RFID tag for IoT applications</b><br><i>Ayesha Habib Sohaira Ansar Adeel Akram Muhammad Awais Azam Yasar Amin Hannu Tenhunen</i><br><i>Radioengineering</i> , Volume 26, Issue 2, Page 453-460<br><b>Impact Factor:</b> 1.048   <b>Quartile:</b> 4   <b>Citations:</b> 1<br><b>DOI:</b> 10.13164/re.2017.0001                                                                                                                   | 2017 |
| <b>Directly printable compact chipless RFID tag for humidity sensing</b><br><i>Ayesha Habib Rehab Asif Muhammad Fawwad Yasar Amin Jonathan Loo Hannu Tenhunen</i><br><i>IEICE Electronics Express</i> , Volume 14 , Issue 10<br><b>Impact Factor:</b> 0.475   <b>Quartile:</b> 4   <b>Citations:</b> 14<br><b>DOI:</b> 10.1587/elex.14.20170169                                                                                                                                  | 2017 |
| <b>Directly printable frequency signatred chipless RFIS tag for IoT applications</b><br><i>Hafsa Anam Ayesha Habib Syeda Irum Jafri Yasar Amin Hannu Tenhunen</i><br><i>RadioEngineering</i> , Volume 26, Issue 1, Pages 136-146<br><b>Impact Factor:</b> 1.048   <b>Quartile:</b> 4   <b>Citations:</b> 33<br><b>DOI:</b> 10.13164/re.2017.0139                                                                                                                                 | 2017 |
| <b>Frequency signatred directly printable humidity sensing tag using organic electronics</b><br><i>Ayesha Habib Yasar Amin Muhammad Awais Azam Jonathan Loo Hannu Tenhunen</i><br><i>IEICE Electronic Express</i> , Volume 14 , Issue 3<br><b>Impact Factor:</b> 0.475   <b>Quartile:</b> 4   <b>Citations:</b> 13<br><b>DOI:</b> 10.1587/elex.14.20161081                                                                                                                       | 2017 |

|                                                                                                                                                                                                                                                                                                                                                                                                              |      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| <b>Directly Printable Moisture Sensor Tag for Intelligent Packaging</b><br><i>Nimra Javed Ayesha Habib Yasar Amin Jonathan Loo Adeel Akram Hannu Tenhunen</i><br><i>IEEE Sensors Journal</i> , Volume 16, Issue 16, Pages 6147-6148<br><b>Impact Factor:</b> 2.512   <b>Quartile:</b> 1   <b>Citations:</b> 52<br><b>DOI:</b> 10.1109/JSEN.2016.2582847                                                      | 2016 |
| <b>16-bit frequency signatred directly printable tag for organic electronics</b><br><i>Nimra Javed Ayesha Habib Adeel Akram Yasir Amin Hannu Tenhunen</i><br><i>IEICE Electronic Express</i> , Volume 13, Issue 11<br><b>Impact Factor:</b> 0.456   <b>Quartile:</b> 4   <b>Citations:</b> 18<br><b>DOI:</b> <a href="https://doi.org/10.1587/elex.13.20160406">https://doi.org/10.1587/elex.13.20160406</a> | 2016 |
| <b>High-density chipless RFID tag for temperature sensing</b><br><i>T. Noor Ayesha Habib Yasar Amin Jonathan Loo Hannu Tenhunen</i><br><i>Electronics Letters</i> , Volume 52, Issue 8, Pages 620-621<br><b>Impact Factor:</b> 1.155   <b>Quartile:</b> 3   <b>Citations:</b> 50<br><b>DOI:</b> 10.1049/el.2015.4488                                                                                         | 2016 |
| <b>Frequency signature chipless RFID tag with enhanced data capacity</b><br><i>Bilal Aslam Umer Hasan Khan Ayesha Habib Yasar Amin Hannu Tenhunen</i><br><i>IEICE Electronic Express</i> , Volume 12, Issue 17<br><b>Impact Factor:</b> 0.344   <b>Quartile:</b> 4   <b>Citations:</b> 16<br><b>DOI:</b> <a href="https://doi.org/10.1587/elex.12.20150623">https://doi.org/10.1587/elex.12.20150623</a>     | 2015 |
| <b>Conference Proceedings</b>                                                                                                                                                                                                                                                                                                                                                                                |      |
| <b>6.58 bits/cm2 Data-dense Chipless RFID Tag for Smart Applications</b><br><i>Wahida Islam Ayesha Habib Muhammad Tanzeel Khalid Nidal Nasser</i><br><i>Proceedings - IEEE Global Communications Conference, GLOBECOM</i> , res.country(157,)<br><b>Citations:</b> N/A<br><b>DOI:</b> 10.1109/GLOBECOM54140.2023.10437814                                                                                    | 2023 |
| <b>A Novel Dual-Polarized RFID-based Chipless Tag for IoT Market</b><br><i>Momina Nadeem Ayesha Habib Nidal Nasser</i><br><i>IEEE ICC 2023</i> , res.country(109,)<br><b>Citations:</b> N/A<br><b>DOI:</b> Nil                                                                                                                                                                                               | 2023 |
| <b>Multi-resonator Based Passive Chipless RFID Tag for Tracking Applications</b><br><i>Ayesha Habib Momina Nadeem</i><br><i>2023 International Conference on Communication Technologies (ComTech)</i> , res.country(177,)<br><b>Citations:</b> N/A<br><b>DOI:</b> 10.1109/ComTech57708.2023.10165189.                                                                                                        | 2023 |
| <b>Green electronic based chipless humidity sensor for IoT applications</b><br><i>S. Zeb A. Habib Y. Amin H. Tenhunen Jonathan Loo</i><br><i>2018 IEEE Green Technologies Conference (GreenTech)</i> , res.country(233,)<br><b>Citations:</b> N/A<br><b>DOI:</b> 10.1109/GreenTech.2018.00039                                                                                                                | 2018 |
| <b>High-density compact chipless RFID tag for item-level tagging</b><br><i>A. Habib H. Anam Y. Amin H. Tenhunen</i><br><i>2018 International Applied Computational Electromagnetics Society Symposium (ACES), Denver, CO, USA</i> , res.country(233,)<br><b>Citations:</b> N/A<br><b>DOI:</b> 10.23919/ROPACES.2018.8364283                                                                                  | 2018 |
| <b>Towards Moisture Sensing Using Dual-Polarized Printable Chipless RFID Tag</b><br><i>N. Javed A. Habib Y. Amin H. Tenhunen</i><br><i>International Conference on Frontiers of Information Technology (FIT)</i> , res.country(177,)<br><b>Citations:</b> N/A<br><b>DOI:</b> 10.1109/FIT.2017.00041                                                                                                          | 2017 |
| <b>Design and Analysis of C Shaped Chipless RFID Tag</b><br><i>M. Mumtaz S. F. Amber A. Ejaz A. Habib S. I. Jafri Y. Amin</i><br><i>International Symposium on Wireless Systems and Networks (ISWSN)</i> , res.country(177,)<br>                                                                                                                                                                             | 2017 |

|                                                                                                                                                                                                                                                                                                                   |      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| <b>Citations:</b> N/A<br><b>DOI:</b> 10.1109/ISWSN.2017.8250009                                                                                                                                                                                                                                                   |      |
| <b>Dual-polarized Data Dense Chipless RFID Tag towards IoT Applications</b><br><i>S. Zeb J. A. Satti A. Habib Y. Amin H. Tenhunen</i><br><i>2017 IEEE International Symposium on Wireless Systems and Networks (ISWSN)</i> , res.country(177,)<br><b>Citations:</b> N/A<br><b>DOI:</b> 10.1109/ISWSN.2017.8250038 | 2017 |
| <b>Miniaturized Flexible Chipless RFID Tag for IoT Market</b><br><i>N. Javed A. Habib Y. Amin H. Tenhunen</i><br><i>IEEE International Conference on Communication, Computing and Digital Systems (C-CODE)</i> , res.country(177,)<br><b>Citations:</b> N/A<br><b>DOI:</b> 10.1109/C-CODE.2017.7918904            | 2017 |
| <b>Internet-of-things based smart tracking</b><br><i>A. Habib H. Anam W. Anwaar H. Afaq Y. Amin H. Tenhunen</i><br><i>IEEE International Conference on Communication, Computing and Digital Systems (C-CODE)</i> , res.country(177,)<br><b>Citations:</b> N/A<br><b>DOI:</b> 10.1109/C-CODE.2017.7918899          | 2017 |
| <b>Chipless RFID tag for IoT applications</b><br><i>Ayesha Habib M. Ali Afzal Haleema Sadia Yasar Amin Hannu Tenhunen</i><br><i>2016 IEEE 59th International Midwest Symposium on Circuits and Systems (MWSCAS)</i> , res.country(2,)<br><b>Citations:</b> N/A<br><b>DOI:</b> 10.1109/MWSCAS.2016.7870033         | 2016 |
| <b>Chipless slot resonators for IoT system identification</b><br><i>Ayesha Habib Muhammad Awais Azam Yasar Amin Hannu Tenhunen</i><br><i>2016 IEEE International Conference on Electro Information Technology (EIT)</i> , res.country(233,)<br><b>Citations:</b> N/A<br><b>DOI:</b> 10.1109/EIT.2016.7535262      | 2016 |

## Editorial Activities

|                                                          |      |
|----------------------------------------------------------|------|
| <b>Technical Journal</b><br>Reviewed Papers for Journals | 2022 |
| Reviewed Papers for Journals<br><b>Impact Factor:</b> 1  | 2021 |
| Reviewed Papers for Journals<br><b>Impact Factor:</b> 1  | 2021 |
| Reviewed Papers for Journals<br><b>Impact Factor:</b> 1  | 2021 |