

Penerbitan ANGKASA UKM 2016

| Bil | Jenis Penerbitan | Id Penerbitan Judul Karya dan Nama Jurnal/Buku/Yang berkaitan | Tahun Terbit | Nama-nama Pengarang |
|-----|---------------------------------------|--|--------------|---|
| 1 | Bab dalam buku | TZF201634 Modeling Of Tropospheric Delays Using ANFIS Adaptive neuro-fuzzy interference system | 2016 | Wayan Suparta & Kemal Maulana Alhasa |
| 2 | Bab dalam buku | TZF201635 Modeling of Tropospheric Delays Using ANFIS Tropospheric Modeling from GPS | 2016 | Wayan Suparta |
| 3 | Bab dalam buku | TZF201636 Modeling of Tropospheric Delays Using ANFIS Estimation of ZTD using ANFIS | 2016 | Wayan Suparta & Kemal Maulana Alhasa |
| 4 | Bab dalam buku | TZF201632 Modeling of Tropospheric Delays using ANFIS Prediction of ZTD based on ANFIS model | 2016 | Wayan Suparta & Kemal Maulana Alhasa |
| 5 | Bab dalam buku | TZF201633 Modeling of Tropospheric Delays using ANFIS Introduction | 2016 | Wayan Suparta & Kemal Maulana Alhasa |
| 6 | Bahan Pengajaran / Penyebaran Ilmu | TKK2016636 Laporan Konsolidasi Program Pengajian Siswazah Doktor Falsafah secara penyelidikan, Institut Perubahan Iklim | 2016 | Khairul Nizam Abdul Maulud, Mardina Abdullah, Wayan Suparta, Sabirin Abdullah, Mohammad Rashed Iqbal Furuque, Teh Wai Leong, Farhanah Md Isa, Nurul Hajjah Hair, Muhamad Roszaini Roslan, Mohd Sayuti C |

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| 7 | Bahan Pengajaran / Penyebaran Ilmu | TKK2016635 Laporan Konsolidasi Program Pengajian Siswazah Sarjana Sains secara penyelidikan, Institut Perubahan Iklim | 2016 | Khairul Nizam Abdul Maulud, Mardina Abdullah, Wayan Suparta, Sabirin Abdullah, Mohammad Rashed Iqbal Furuque, Teh Wai Leong, Farhanah Md Isa, Nurul Hajjah Hair, Muhamad Roszaini Roslan, Mohd Sayuti C |
| 8 | Bahan Seminar/ Persidangan | TKK2016959 Comparative Study of TEC for GISTM Station in the Peninsular Malaysia region for the period of January 2011 to 2016 <i>International Conference on Science and Technology Applications in Climate Change</i> | 2016 | Rohaida Mat Akir, Mardina Abdullah, Kalaivani Chellappan, Alina Marie Hasbi, Siti Aminah Bahari |
| 9 | Bahan Seminar/ Persidangan | TKK2016960 Investigation on the implementation of the holt-winter method for ionospheric delay forecasting <i>2016 International Conference on Science and Technology Applications in Climate Change</i> | 2016 | Nouf Abd Elmunim, Mardina Abdullah, Alina Marie Hasbi, Siti Aminah Bahari |
| 10 | Bahan Seminar/ Persidangan | TKK2016882 Ionospheric regional forecasting using statistical method for GPS application <i>2016 the 4th AOSWA Workshop, Asia Oceania Space Weather Alliance</i> | 2016 | M. Abdullah, N.A. Elmunim and S.A. Bahari |
| 11 | Bahan Seminar/ Persidangan | TGG20161109 Pembangunan Modul Pembelajaran, Model Penyelidikan Transdisiplin Abad ke 21, UKM 21st Century TR Model <i>KNOVASI Pengajaran dan Pembelajaran 2016</i> | 2016 | Jamaludin Badusah, Norazah Mohd Nordin, Mardina Abdullah, Kamal Halili Hasan, Fariza Mohd Nor, Azmi Baharudin, Marlia Hanafiah, Wan Muna Ruzanna Wan Mohammad, Helmi Norman, Aisyah Kamarozzaman |
| 12 | Bahan Seminar/ Persidangan | TKK2016916 Pengayaan pembelajaran sains angkasa menggunakan raspberry pi <i>Kongres KNOVASI PnP UKM 2016</i> | 2016 | Rosadah Abd Majid, Mardina Abdullah, Badariah Bais, Gan Kok Beng, Sabirin Abdullah, Nor Syaidah Bahri |
| 13 | Bahan Seminar/ Persidangan | TZF2016116 The design and operation of a multiband antenna with an asymmetric, X-shaped ground plane on a composite epoxy material <i>24th International Conference on Materials & Technology</i> | 2016 | M. M. Islam, M. R. I. Faruque, M. T. Islam |

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| 14 | Bahan Seminar/ Persidangan | TZF2016111 Using multiple linear regression model to estimate thunderstorm activity <i>The International Conference on Information Technology and Digital Applications (ICITDA) 2016</i> | 2016 | W Suparta, W S Putro |
| 15 | Bahan Seminar/ Persidangan | TKK2016987 Variations of the Ionospheric Delay over Malaysia <i>1st International Research Conference on Engineering, Science and Humanities 2016 (IRCESH)</i> | 2016 | N A Elmunim, M Abdullah, S A Bahari |
| 16 | Buku | TZF201624 Modeling of Tropospheric Delays Using ANFIS | 2016 | Wayan Suparta & Kemal Maulana Alhasa |
| 17 | Filem/ Video/ Slaid/ Multimedia | TKK2016673 Correlation of the Ionospheric F2-layer Parameters with MUF during the Rise of Solar Cycle 24 | 2016 | Malik, R. A., Abdullah, M., Abdullah, S., Homam, M. J., Yokoyama, T., Yatini, C.Y. |
| 18 | Filem/ Video/ Slaid/ Multimedia | TZF201688 Effects of major space particles in LEO-NEqO towards selected satellite materials | 2016 | Wayan Suparta, Siti Katrina Zulkeple, Mandeep Singh Jit Singh |
| 19 | Filem/ Video/ Slaid/ Multimedia | TZF201687 GPS TroWav and ANFIS Model to Support Weather Forecasting | 2016 | Wayan Suparta |
| 20 | Filem/ Video/ Slaid/ Multimedia | TKK2016410 Statistical approaches of ionospheric correction to improve the accuracy of the GPS positioning over Malaysia | 2016 | M. Abdullah, N.A. Elmunim, A.M. Hasbi and S.A. Bahari |
| 21 | Jurnal | TZF201692 A Compact Disc-Shaped Printed Antenna Using Parasitic Element on Ground Plane for Super Wideband Applications <i>Applied Computational Electromagnetics Society Journal</i> | 2016 | M. M. Islam, M. R. I. Faruque, M. T. Islam |
| 22 | Jurnal | TZF2016105 A New Compact Double-Negative Miniaturized Metamaterial for Wideband Operation <i>Materials</i> | 2016 | Md. Mehedi Hasan, Mohammad Rashed Iqbal Faruque, Sikder Sunbeam Islam, Mohammad Tariqul Islam |

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| 23 | Jurnal | TKK2016127 | | | |
| | | A compact disc-shaped super wideband patch antenna with a structure of parasitic element <i>International Journal of Applied Electromagnetics and Mechanics</i> | 2016 | M.M. Islama, M.T. Islam, M.R.I. Faruque, N.Misran, M. Samsuzzaman, M.I. Hossaina and T. Alam | |
| 24 | Jurnal | TZF201698 | | | |
| | | A comparative study of the effects of substrate composite materials on external and internal handset antenna EM absorption <i>Materials Science-Medziagotyra</i> | 2016 | Md Ikbal Hossain, Mohammad Rashed Iqbal Faruque, Mohammad Tariqul Islam | |
| 25 | Jurnal | TZF201673 | | | |
| | | A corded shape printed wideband antenna design for multi-standard mobile applications <i>Telecommunication Systems</i> | 2016 | M. R. I. Faruque, T. Alam, M. T. Islam | |
| 26 | Jurnal | TZF201615 | | | |
| | | A metamaterial unit cell inspired antenna for mobile wireless applications <i>Microwave and Optical Technology Letters</i> | 2016 | T. Alam, M. Samsuzzaman, M. R. I. Faruque, M. T. Islam | |
| 27 | Jurnal | TZF201621 | | | |
| | | A new NZRI metamaterial for electromagnetic cloaking operation <i>International Journal of Applied Electromagnetics and Mechanics,</i> | 2016 | Sikder Sunbeam Islam, Mohammad Rashed Iqbal Faruque, Mohammad Tariqul Islam | |
| 28 | Jurnal | TZF20171 | | | |
| | | A new wideband negative-refractive-index metamaterial <i>Materiali in tehnologije</i> | 2016 | Sikder Sunbeam Islam, Mohammad Rashed Iqbal Faruque, Mohammad Jakir Hossain, Mohammad Tariqul Islam | |
| 29 | Jurnal | TKK2016128 | | | |
| | | A quadrilateral shape broadband antenna for wireless application <i>International Journal of Applied Electromagnetics and Mechanics</i> | 2016 | T. Alam, M.T. Islam, M.R.I. Faruque, F. Mansor, H. Arshad and M. Samsuzzaman | |
| 30 | Jurnal | TZF2016102 | | | |
| | | An Object-Independent ENZ Metamaterial-Based Wideband Electromagnetic Cloak <i>Scientific Reports</i> | 2016 | Sikder Sunbeam Islam, Mohammad Rashed Iqbal Faruque, Mohammad Tariqul Islam | |
| 31 | Jurnal | TZF2016108 | | | |
| | | An investigation of air quality at three selected locations in Malaysia for the period of 2009 <i>International Journal of Advanced Research</i> | 2016 | Wayan Suparta, Muhammad Afiq Mahat | |

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|----|--------|---|------|--|
| 32 | Jurnal | TZF201641 | | |
| | | Analysis of the effects of antenna substrate composite materials on specific absorption rate <i>Journal Of Optoelectronics and Advanced Materials</i> | 2016 | M. I. Hossain, M. R. I. Faruque, M. T. Islam |
| 33 | Jurnal | TZF2016110 | | |
| | | Bird Face Microstrip Printed Monopole Antenna Design for Ultra Wide Band Applications <i>Frequenz</i> | 2016 | Mohammad Jakir Hossain, Mohammad Rashed Iqbal Faruque, Md. Moinul Islam, Mohammad Tariqul Islam, Md. Atiqur Rahman |
| 34 | Jurnal | TZF2016107 | | |
| | | Compact wrench shaped resonator loaded UWB antenna with notched frequency characteristics <i>Journal of Telecommunication Electronic and Computer Engineering</i> | 2016 | Md Moinul Islam, Mohammad Tariqul Islam, Mohammad Rashed Iqbal Faruque, Sikder Sunbeam Islam, Norbahiah Misran |
| 35 | Jurnal | TZF20163 | | |
| | | Comparison of Maximum Usable Frequency (MUF) Variability over Peninsular Malaysia with IRI model during the rise of Solar Cycle 24 <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> | 2016 | R.A. Malik, M. Abdullah, S. Abdullah, M.J. Homam |
| 36 | Jurnal | TZF201643 | | |
| | | Design and analysis of coupled-resonator reconfigurable antenna <i>Applied Physics A: Materials Science & Processing</i> | 2016 | M. I. Hossain, M. R. I. Faruque, M. T. Islam & M. T. Ali |
| 37 | Jurnal | TZF201670 | | |
| | | Design of a patch antenna for ultra wide band applications <i>Microwave and Optical Technology Letters</i> | 2016 | M. J. Hossain, M. R. I. Faruque, M. T. Islam |
| 38 | Jurnal | TZF201675 | | |
| | | Detection of breast cancer using electromagnetic techniques: A review <i>International Journal of Applied Electromagnetics and Mechanics</i> | 2016 | M.M. Islam, M.R.I. Faruque, N. Misran, M.T. Islam |
| 39 | Jurnal | TZF201644 | | |
| | | Dynamical features of GPS PWV variation associated with lightning activity <i>International Journal of Remote Sensing</i> | 2016 | Wayan Suparta, Jaafar Adnan and Mohd. Alauddin Mohd. Ali |
| 40 | Jurnal | TZF201618 | | |
| | | Effects of an epoxy-resin-fiber substrate for a A-shaped microstrip antenna <i>Materiali in tehnologije / Materials and technology</i> | 2016 | Md. Moinul Islam, Mohammad Rashed Iqbal Faruque, Mohammad Tariqul Islam, Haslina Arshad |

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|----|--------|---|------|---|
| 41 | Jurnal | TZF201622 | | |
| | | High gain metamaterial antenna for satellite application | 2016 | M. I. Hossain, M. R. I. Faruque, M. T. Islam |
| | | <i>Electronics World</i> | | |
| 42 | Jurnal | TKK2017130 | | |
| | | Investigation of Ionospheric and geomagnetic Response during 2011 Tohoku Earthquake using Ground based Measurement | 2016 | Norbaizura Yaso, Alina Marie Hasbi & Mardina Abdullah |
| | | <i>Indian Journal of Radio & Space Physics</i> | | |
| 43 | Jurnal | TZF201674 | | |
| | | Limitations of metamaterials for invisibility cloaking | 2016 | Sikder Sunbeam Islam, Mohammad Rashed Iqbal Faruque, Md Jakir Hossain, Mohammad Tariqul Islam |
| | | <i>Jurnal Teknologi</i> | | |
| 44 | Jurnal | TZF201660 | | |
| | | Modeling of Precipitable Water Vapor using an Adaptive Neuro-Fuzzy Inference System in the Absence of the GPS Network | 2016 | Wayan Suparta and Kemal Maulana Alhasa |
| | | <i>Journal of Applied Meteorology and Climatology</i> | | |
| 45 | Jurnal | TZF2016106 | | |
| | | New NRI Metamaterial for Multi-band Operation | 2016 | Sikder Sunbeam Islam, Mohammad Rashed Iqbal Faruque, Mohammad Tariqul Islam, Md. Moinul Islam, Norbahiah Misran |
| | | <i>Journal of Telecommunication Electronic and Computer Engineering</i> | | |
| 46 | Jurnal | TZF201668 | | |
| | | Printed microstrip line-fed patch antenna on a high-dielectric material for c-band applications | 2016 | Moinul Islam, Mohammad Rashed Iqbal Faruque, Mohd Fais Mansor, Mohammad Tariqul Islam |
| | | <i>Materiali in tehnologije</i> | | |
| 47 | Jurnal | TZF201667 | | |
| | | Reducing RF Absorption From Mobile Phones | 2016 | Mohammad Rashed Iqbal Faruque |
| | | <i>Electronics World</i> | | |
| 48 | Jurnal | TZF201623 | | |
| | | Spatial interpolation of GPS PWV and meteorological variables over the west coast of Peninsular Malaysia during 2013 Klang Valley Flash Flood | 2016 | Wayan Suparta, Rosnani Rahman |
| | | <i>Atmospheric Research</i> | | |
| 49 | Jurnal | TZF201642 | | |
| | | Specific absorption rate analysis of broadband mobile antenna with negative index metamaterial | 2016 | Touhidul Alam, Mohammad Rashed Iqbal Faruque & Mohammad Tariqul Islam |
| | | <i>Applied Physics A: Materials Science & Processing</i> | | |

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| 50 | Jurnal | TKK2016483 | | | S.A. Bahari, M. Abdullah, A.M. Hasbi, B. Yatim, W. Suparta, A. Kadokura, G. Bjornsson |
| | | Study of high-latitude ionosphere: One-year campaign over Husafell, Iceland <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> | 2016 | | |
| 51 | Jurnal | TZF20172 | | | Touhidul Alam, Mohammad Rashed Iqbal Faruque, Mohammad Tariqul Islam |
| | | Study on EM Absorption Analysis of Mobile Handset Antenna <i>Journal of Telecommunication, Electronic and Computer Engineering</i> | 2016 | | |
| 52 | Jurnal | TZF2016104 | | | M. J. Hossain, M. R. I. Faruque, S. S. Islam, M. T. Islam |
| | | Subwavelength operating metamaterial for multiband applications <i>Microwave and Optical Technology Letters</i> | 2016 | | |
| 53 | Jurnal | TZF201625 | | | Wayan Suparta, Maszidah Muhammad, Mandeep Singh Jit Singh, Fredolin T. Tangang, Mardina Abdullah, Mohammad Tariqul Islam |
| | | Variability of GPS Water Vapor Associated with Warming Activity in Peninsular Malaysia during the Period of 2008 - 2011 <i>Journal of Water and Climate Change</i> | 2016 | | |
| 54 | Lain-lain | TZF201679 | | | Wayan Suparta, Wahyu Sasongko Putro, Mandeep Singh Jit Singh |
| | | Estimation of Thunderstorm Activity Using Nonlinear Model <i>Annual Meeting Asian Oceanic Geoscience Society 2016 (AOGS 2016)</i> | 2016 | | |
| 55 | Lain-lain | TZF201680 | | | Wayan Suparta |
| | | GPS TroWav: A Tool To Support Weather Forecasting <i>2016 International Conference on Science and Technology Applications in Climate Change (STAACLIM 2016)</i> | 2016 | | |
| 56 | Lain-lain | TZF201682 | | | Wayan Suparta |
| | | UKM GPS and Meteorological Systems at UMS Kota Kinabalu Sabah for ENSO Studies <i>2016 International Conference on Science and Technology Applications in Climate Change (STAACLIM 2016)</i> | 2016 | | |
| 57 | Lain-lain | TZF201681 | | | Wayan Suparta, Kemal Maulana Alhasa |
| | | UKM Meteorological Monitoring Systems for Weather Forecasting <i>2016 International Conference on Science and Technology Applications in Climate Change (STAACLIM 2016)</i> | 2016 | | |

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| 58 | Laporan Penyelidikan | TZF201631 2014 International Conference on Science and Technology Applications in Climate Change (STA CLIM 2014) <i>Estimation of Global Ligh</i> | 2016 | Wayan Suparta, Siti Katrina Zulkeple |
| 59 | Laporan Penyelidikan | TZF201630 FRGS on Upper-lower Atmospheric Coupling <i>PEMANTAUAN CUACA ANGKASA</i> | 2016 | Wayan Suparta, Mandeep Singh Jit Singh, Mohd Alauddin Mohd Ali, Baharudin Yatim, Ahmad Iskandar |
| 60 | Laporan Penyelidikan | TZF201627 Final Report of SF0808 (Modeling of Solar Charged Particle) <i>Estimation of Global Ligh</i> | 2016 | Wayan Suparta, Mohd Alauddin, Mohd Ali, Gusrizal |
| 61 | Laporan Penyelidikan | TZF201628 Laporan Selepas Persidangan ICONSPACE 2015 | 2016 | Mardina Abdullah, Badariah Bais, Nurul Hajjah Hair, Noridawaty Mat Daud, Noor Hayati Ahmad Rasol |
| 62 | Laporan Penyelidikan | TZF201626 Space energetic particles analysis and its impact to Low Earth Orbit/Near Equatorial Orbit satellites <i>PEMANTAUAN CUACA ANGKASA</i> | 2016 | Wayan Suparta, Mandeep Singh Jit Sing, Mhd Fairos Asillam, Siti Katrina Zulkeple |
| 63 | Penerbitan Tak Berkala | TKK2016627 Earth to Space, Institute of Climate Change Bulletin | 2016 | Khairul Nizam Abdul Maulud, Md Firoz Khan, Farhanah Md Isa, Nurul Hajjah Hair, Noor Hidayu Sukma Salleh, Khirunnisa Mazelan & Noor Shuhaira Rejab |
| 64 | Penulisan Popular Dalam Bidang | TZF201686 Bandar Mayan Hilang, Ditemui Melalui Bintang <i>Infiniti</i> | 2016 | Wayan Suparta |
| 65 | Penulisan Popular Dalam Bidang | TKK2016664 Evolution of Satellite Technology for Global Communication <i>The Ingenieur</i> | 2016 | Farah Aniza Mohd Nazri, J.S Mandeep, Hafizah Hussain & Mardina Abdullah |
| 66 | Penulisan Popular Dalam Bidang | TZF201655 Fenomena Ekuinoks, Perubahan Iklim <i>Utusan Malaysia</i> | 2016 | Wayan Suparta |
| 67 | Penulisan Popular Dalam Bidang | TKK2016773 Gelembungan Plasma di Angkasa <i>Dewan Kosmik</i> | 2016 | Mardina Abdullah, Suhaila M. Buhari |

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| 68 | Penulisan Popular Dalam Bidang | TZF201646 | | |
| | | Gerhana Matahari Esok <i>Utusan Malaysia</i> | 2016 | Wayan Suparta |
| 69 | Penulisan Popular Dalam Bidang | TZF201683 | | |
| | | ICONSPACE2015: SPACE TECHNOLOGY FOR HUMANITY <i>EARTH TO SPACE INSTITUTE OF CLIMATE CHANGE BULLETIN</i> | 2016 | NURUL HAJIJAH HAIR, MARDINA ABDULLAH |
| 70 | Penulisan Popular Dalam Bidang | TKK2016881 | | |
| | | Investigation of Ionospheric Delay Forecasting using GPS TEC Measurements over Malaysia <i>Research Bulletin-Innovate</i> | 2016 | Mardina Abdullah |
| 71 | Penulisan Popular Dalam Bidang | TKK2016157 | | |
| | | Ionospheric flare detection using Raspberry Pi <i>ISWI Newsletter</i> | 2016 | Mardina Abdullah, Kok Beng Gan, Sabirin Abdullah, Badariah Bais, Rosadah Abd Majid |
| 72 | Penulisan Popular Dalam Bidang | TZF201647 | | |
| | | Nyepi dan Fenomena Alam Sebuah Refleksi <i>Tribunners (Harian Tribun)</i> | 2016 | Wayan Suparta |
| 73 | Penulisan Popular Dalam Bidang | TKK2016880 | | |
| | | Raspberry Pi: Green Technology for Space Weather Monitoring <i>Impact</i> | 2016 | Mardina Abdullah, Badariah Bais, Rosadah Abd Majid, Gan Kok Beng, Sabirin Abdullah, Noridawaty Mat Daud, Siti Aminah Bahari, Nor Syaidah Bahri |
| 74 | Penulisan Popular Dalam Bidang | TZF201695 | | |
| | | The UKM-SID Space Weather Monitoring Programme <i>Earth to space: Institute of Climate Change Bulletin</i> | 2016 | Mardina Abdullah, Noridawaty Mat Daud |
| 75 | Prosiding/ Pascasidang | TZF2016113 | | |
| | | A New Wideband Double Negative Metamaterial <i>2015 IEEE 12th Malaysia International Conference on Communications (MICC), Kuching, Malaysia</i> | 2016 | Sikder Sunbeam Islam, Mohammad Tariqul Islam, Mohammad Rashed Iqbal Faruque |
| 76 | Prosiding/ Pascasidang | TZF201669 | | |
| | | A parametric study of compact uwb antenna with multiple notched-band functions <i>Advances in Machine Learning and Signal Processing</i> | 2016 | Md. Moinul Islam, Mohammad Tariqul Islam, Mohammad Rashed Iqbal Faruque |
| 77 | Prosiding/ Pascasidang | TZF2016112 | | |
| | | Design and Analysis of Double Negative Metamaterial for Microwave S-Band <i>2015 IEEE 12th Malaysia International Conference on Communications (MICC), Kuching, Malaysia</i> | 2016 | M. I. Hossain, M. R. I. Faruque, M. T. Islam |

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|----|---------------------------|--|------|---|
| 78 | Prosiding/ Pascasidang | TZF20174 Multi Band Negative Index Metamaterial based on Split Square Shape Resonators <i>19th International Conference on Computer and Information Technology (ICCIT 2016)</i> | 2016 | Md. Mehedi Hasan, Mohammad Rashed Iqbal Faruque, Md. Moinul Islam, Mohammad Tariqul Islam |
| 79 | Prosiding/ Pascasidang | TZF20173 Multiple Hexagonal Split-Ring Resonators Based Negative Index Material for Multi Band Applications <i>19th International Conference on Computer and Information Technology (ICCIT 2016)</i> | 2016 | Mohammad Jakir Hossain, Mohammad Rashed Iqbal Faruque, Md. Moinul Islam, Mohammad Tariqul Islam |