

Brief Profile

Name:	Arvind Kumar Pandey
Date of Birth:	02/11/1978
Educational Qualification:	
<i>Ph. D.:</i>	MMMUT, Gorakhpur (Pursuing)
<i>M. E.:</i>	NITTTR, Chandigarh (ECE)
<i>B. E.:</i>	Dr. B. R. Ambedakar, University, Agra (ECE)
Work Experience:	
• <i>Teaching:</i>	13 Years
• <i>Research / Industry</i>	-
E-mail ID:	arvindmknk@gmail.com
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Area/Subjects of Interest:	Microwave filter, antenna. Digital Communication, Semiconductor Devices and Circuits and Robotics
Teaching:	
<i>Subjects Taught at UG level:</i>	Electronics Engg., Semiconductor devices and circuits Digital Communication, Microwave, Principle of Communication etc.
<i>Subjects Taught at PG level:</i>	Digital Communication
Research Guidance	
<i>No. of Ph.D./M.Tech Guided</i>	-
Research Publications	
• Journals:	08
• Conferences:	15
• Book Chapters:	02
Patent/IPR	-
(Books Published etc.)	
No. of National/International Conferences attended/Paper Presented	10
STC/FDP/Summer/Winter Schools/Workshops/Seminars attended:	15
Memberships of the Professional Societies	IETE, IEEE
Awards/Honors	Best paper award on research scholar day, at MMTU Gorakhpur
Any other relevant Information	-

LIST OF PUBLICATIONS

Journal Papers

1. Sanjeev Maheshwari, **Arvind Kumar Pandey** and Piush Kumar Singh, “Miniaturized Band Pass Filter using Interdigital Capacitor for C-band,” Journal of Information and Communication Technologies, volume 2, issue 7, July 2012.
2. **Arvind Kumar Pandey**, Piush Kumar Singh and Sanjeev Maheshwari, “Size reduction of microstrip antenna using CRLH Metamaterial transmission line,” International Journal of Advanced Engineering Science and Technological Research, vol. 2, issue 2, June 2014.
3. **Arvind Kumar Pandey**, Yatindra Gaurav and R. K. Chauhan, “Miniaturized band-pass filter based on Composite Right-/Left handed Transmission-line unit-cell,” Microwave and Optical Technology letters, vol. 57, no. 7, July 2015. (Page No. 1713-1717)
4. Rajeewa Kumar Jaisawal, **Arvind Kumar Pandey** and R. K. Chauhan, “A Multi-Band Trident Shape Microstrip Patch Antenna for GSM and Wide Band Application,” i-manager’s Journal on Communication Engineering and Systems, Volume: 4 No. 3 Issue : May-Jul 2015 Pages : 1-8.
5. Rajeewa Kumar Jaisawal, **Arvind Pandey** and R.K. Chauhan, “A Review: Size Reduction in Microstrip Patch Antenna Using Defected Ground Structure, i-manager’s Journal on Communication Engineering and Systems, Volume: 4 No. 2 Issue : Feb-Apr 2015 Pages : 1-4.
6. Priyanka Srivastava, **Arvind Kumar Pandey** and R. K. Chauhan, “A Review on Different Resonator based Microwave Filters,” i-manager’s Journal on Communication Engineering and Systems, Volume: 4 No. 4 Issue : Aug-Oct 2015, Pages : 1-6.
7. Akshay Kumar Srivastava, **Arvind Pandey** and B.S. Rai, “A Review on Miniaturized Microstrip Technology along with Metamaterial for Low Pass Filter Application, i-manager’s Journal on Electronics Engineering, Volume: 5 No. 4 Issue : Jun-Aug. 2015, Pages : 1-6.
8. Anjali Sachan, **Arvind Kumar Pandey**, R.K. Chauhan, “Optimization of Dual-Band BPF using Defected Ground Structure,” i-manager’s Journal on Communication Engineering and Systems, Vol. 5, No. 4, August - October 2016, Pages : 23-28.

International Conference Papers:

1. **Arvind Kumar Pandey** and R. K. Chauhan, “Miniaturized Dual-Band BPF for WiMax/WLAN applications,” Proceedings of IEEE International Conference on Power Electronics Intelligent Control and Energy Systems (PIECES-2016) and IEEE Xplore, Organized by Delhi Technological University, Delhi, India, 04-06 July, 2016.
2. **Arvind Kumar Pandey** and R. K. Chauhan, “Miniaturized Dual-Band BPF Using Hairpin Loaded Interdigital Structure,” Proceedings of International Conference on Computing, Communication and Automation (ICCCA-2016), Galgotia University Greater Noida, India, 29-30 April 2016.(**IEEE Xplore, Scopus, DBLP**).

3. Yatindra Gaurav, **Arvind Kumar Pandey** and R. K. Chauhan, "Single Notch Band UWB BPF using Square Ring Resonator" Proceedings of International Conference on Recent Advances in Information Technology held in ISM Dhanbad 3-5 March 2016, India, pp.147-148. (**IEEE-Xplore, DBLP**)
4. Priyanka Srivastava, **Arvind Kumar Pandey** and R. K. Chauhan, "A Compact Tri-Band BPF using Meandered Ring Resonator" Proceedings of International Conference on Recent Advances in Information Technology held in ISM Dhanbad 3-5 March 2016, India, pp.339-341. (**IEEE-Xplore, DBLP**)
5. Yatindra Gaurav, **Arvind Kumar Pandey** and R. K. Chauhan, "Double Notch Band UWB BPF using Square Ring Resonator," Proceedings of Advances in Engineering and Technology (AET-2015) held in Cochin, India 26-27, 2015, pp.223-225.
6. Yatindra Gaurav, **Arvind Kumar Pandey** and R. K. Chauhan, "A Double Notch Band UWB BPF using Square Resonator Embedded with U-shaped Structure between Two Interdigital Structures with Square Ring", Proceedings of 11th International Conference on Microwaves Antenna, Propagation and Remote sensing (ICMARS – 2015) organized by International Centre for Radio Science, held in Jodhpur, Rajasthan, 15-17 December, India in 2015.
7. **Arvind Kumar Pandey**, Sanjeev Maheshwari and Asheesh Pandey, "Miniaturized Band Pass Filter by using metamaterial", Proceedings of International Conference on Recent Technologies in Advance Electronics (ICRTAE-2013) organized by Department of Electronics and Communication Engineering- Vidya college of Engineering, Meerut, 11-12 April, India in 2013. ISDN no. 978/93/5066/599/2.
8. Akshma Tomar, **Arvind Kumar Pandey**, Sanjeev Maheshwari and Reva Negi, "Band stop Filter using Metamaterial at 2.4 GHz", Proceedings of International Conference on Recent Technologies in Advance Electronics (ICRTAE-2013) organized by Department of Electronics and Communication Engineering- Vidya college of Engineering, Meerut, 11-12 April, India in 2013. ISDN no. 978/93/5066/599/2.
9. Ruch Tripathi, **Arvind Kumar Pandey**, Nishant Tripathi and S. K. Singh, "Reduction of Power Consumption in CMOS Using Switched-OPAMP Switched-capacitor Technique", Proceedings of International Conference on Advances in computer sciences, communication & information technologies, ISSN 0924-2239, page no. 163-166, July 2012.

National Conference Papers:

1. **Arvind Kumar Pandey**, Sanjeev Maheshwari and Piush Kumar Singh, "Miniaturized Band Pass Filter using Interdigital capacitor", Proceedings of National Conference on Advances in Computer Communication and Embedded Systems (ACCES-2012) Organized by Department of Electronics & Communication Engineering, MMMEC, Gorakhpur, 12-13 April 2012, ISDN No. 978/93/82/062/19/6
2. **Arvind Kumar Pandey**, Sanjeev Maheshwari and Swapna Devi, "Band stop Filter using Interdigital capacitor at 2.4 GHz", Proceedings of National Conference on Advances in Video, Cyber Learning and Electronics (ADVICE-2012) Organized by Educational Television Centre ,NITTTR Chandigarh, 1-2 March ,2012.

3. **Arvind Kumar Pandey**, Yatindra Gaurav and R. K. Chauhan, "Performance Analysis of Microstrip Filter for Different Dielectric Materials," Proceedings of National Conference on Recent Advancements in Chemical and Materials Science (NCRACMS), 23-24 February, 2015, pp. 55-58, ISBN No. 978-93-84224-25-7.
4. Yatindra Gaurav, **Arvind Kumar Pandey** and R. K. Chauhan, "Effect of Dielectric Substrates materials on the Microstrip Patch Antenna," Proceedings of National Conference on Recent Advancements in Chemical and Materials Science (NCRACMS), 23-24 February, 2015, pp. 59-63, ISBN No. 978-93-84224-25-7.
5. **Arvind Kumar Pandey** and R. K. Chauhan, "Microstrip Filters for UWB frequency-A review of Recent Developments," Proceedings of National Workshop on Recent Advancement in Communication Engineering and Microelectronics(RACEM-2015), held at MMMUT, Gorakhpur, 27-28 March 2015, pp. 21-25. [ISBN: 978-93-84224-29-5].
6. **Arvind Kumar Pandey** and R. K. Chauhan, "A review on Applications of RF MEMS in Reconfigurable Microstrip Filter Design", Proceedings of National Conference on Recent Advancement in Communication Engineering and Microelectronics(RACEM-2016), held at MMMUT, Gorakhpur, 9-10 March 2016, pp. 201-205. [ISBN: 978-93-84224-46-2]

Book Chapters:

1. **Arvind Kumar Pandey**, Yatindra Gaurav and R. K. Chauhan, "Miniaturized UWB BPF with a Notch Band at 5.8 GHz Using Cascaded Structure of Highpass and Lowpass Filter," Information Systems Design and Intelligent Applications, Advances in Intelligent Systems and Computing, Springer, vol. 434, pp. 525-532, 2016. DOI 10.1007/978-81-322-2752-6_51, (**SCI mago Indexed, Scopus, DBLP**). ISSN 2194-5357 ISSN 2194-5365 (electronic) ISBN 978-81-322-2750-2 ISBN 978-81-322-2752-6 (eBook) DOI 10.1007/978-81-322-2752-6.
2. **Arvind Kumar Pandey** and R. K. Chauhan, "Dual Notched Band Compact UWB Band Pass Filter using Resonator loaded SIR for Wireless Applications," Data Engineering and Intelligent Computing, Advances in Intelligent Systems and Computing, Springer vol. 542, 2017. ISSN 2194-5357 ISSN 2194-5365 (electronic) ISBN 978-81-322-2750-2 ISBN 978-81-322-2752-6 (eBook) , DOI 10.1007/978-981-10-3223-3_30.