

DEPARTMENT OF PG STUDIES AND RESEARCH IN PHYSICS

Sl. No.	Name of Author/s	Title of the Paper	Name of the Journal	Year of Publication	ISSN	Paper web link
Paper Publication Details-2025						
01	Dr. Shivasharanappa Mulgi and Nagbasavanna Sharanappa	Low-Cost Microprocessor Based Automatic Level Indicator	Journal of South Asian Review	2025	0275-9527 2573-9476 (E)	https://www.sairjc.com/past-issues-of-south-asian-and-review-in-detail?volume=4&issue=2&month=February&year=2025
02	Nagbasavanna Sharanappa, Pooja Mallinath, Revati Biradar, Roopa Maga, Rakesh Mallinath, Swaraj Kinagi, Vidyadhar, Shivasharanappa Mulgi, Anilkumar Bidve, Shweta Sharanabasappa & Vaishnavi	Morphological, Structural and Electrical Properties Studies of Modified Polyaniline	Journal of South Asian Review	2025	0275-9527 2573-9476 (E)	https://www.sairjc.com/past-issues-of-south-asian-and-review-in-detail?volume=4&issue=2&month=February&year=2025
03	Pooja Mallinath, Nagbasavanna Sharanappa, Rakesh and Roopa Swaminath.	Exploring the Structural and Functional Properties of Polyaniline-Ferrite Composites Synthesized Using Ammonium Dichromate	Journal of South Asian Review	2025	0275-9527 2573-9476 (E)	https://www.sairjc.com/past-issues-of-south-asian-and-review-in-detail?volume=4&issue=2&month=February&year=2025
Paper Publication Details-2024						
01	Premavani, B. Satyanarayana and S. N. Mulgi	An advanced 4x4 MIMO antenna design for high-performance UWB wireless applications,	Journal of Positif Journal	2024	0048-4911	http://positifreview.com/current
02	Anjali Nagaraj Babshetty,	Effect of Dysprosium Oxide	South Asian	2024	0275-9527	http://www.sairjc.in.ne

	Nagbasavanna Sharanappa	on Polyaniline	Journal			t/past-issues-of-south-asian-and-review-in-detail?volume=3&issue=1&month=January&year=2024
03	Rakesh and Dr. Puru Naik	Automated unsupervised recognition of cone photoreceptor cells in adaptive optics scanning laser ophthalmoscope images	IJARIE	2024	2395-4396 (O)	https://ijarie.com/AdminUploadPdf/Automated_unsupervised_recognition_of_cone_photoreceptor_cells_in_adaptive_optics_scanning_laser_ophthalmoscope_images_ijarie24881.pdf?srltid=AfmBOopVxTq5ODknSTMkpm0hJT0ioIG3-E6mUxzhLZi0Py3dcuAJiqTE
Paper Publication Details-2023						
01	Dr. Basawaraj G Patne, Dr. S. N. Mulgi	Effect of Ground Plane for the Enhancement of Bandwidth of UWB Square Monopole Microstrip Antenna	Journal for Basic Sciences	2023	1006-8341	https://fzgxjckxxb.com/http://dio.org/10.37896/JBSV23.1/1662
02	Premavani, B. Satyanarayana, S. N. Mulgi	Enhanced isolation 2x2 UWB MIMO antenna with 5G n79 (4.4-5GHz) Notch-band rejection	Journal of High Technology Letters	2023	1006-6748	http://www.gjstx-e.cn
03	Premavani, B. Satyanarayana and S. N. Mulgi	Enhanced isolation 2x2 UWB MIMO antenna with 5G n79 (4.4-5 GHz) notch-band	International Journal of High Technology Letters	2023	1006-6748	http://www.gjstx-e.cn

04	Abhishek, Nagbasavanna Sharanappa	Effect of zinc ferrite nano particle concentration on polyaniline	Samdarshi	2023	2581-3986	http://punjabiacademydelhi.com/publication/admin/uploads/366%20ABHI%20ZN%20F.pdf
05	Pooja Mallinath, Nagbasavanna Sharanappa	Tuning the properties of polyaniline with copper ferrite	Samdarshi	2023	2581-3986	http://punjabiacademydelhi.com/publication/admin/uploads/PC%203.pdf
06	Sharanabasava and Nagbasavanna Sharanappa	Structural, electrical & dielectrical studies of magnesium oxide doped polyaniline nano composites	Samdarshi	2023	2581-3986	https://portal.issn.org/resource/ISSN/2581-3986
07	Anjali Nagaraj Babshetty, Pooja Mallinath, Nagbasavanna Sharanappa	Study of Structural, Microstructural and Thermal Properties of Rare Earth Oxide Doped Polyaniline	Eur. Chem. Bull.	2023	2063-5346	http://dio.org/10.48047/ecb/2023.12.9.112
08	Abhishek, Pooja Mallinath, Sharanabasava, Gurunath L. N., Nagbasavanna Sharanappa	Study of Effect of Cobalt Ferrite Doped Polyaniline	Eur. Chem. Bull.	2023	2063-5346	https://www.eurchembull.com/uploads/paper/22f99726fb442f7c58681e5d2daf2006.pdf
09	Sharanabasava, Pooja Mallinath, Abhishek, Gurunath L. N., Nagbasavanna Sharanappa	A Synthesis of Structural, Morphological, Electrical and Dielectric Property of Manganese Dioxide Doped Polyaniline [MnO ₂ /PANI]	Eur. Chem. Bull.	2023	2063-5346	http://dio.org/10.48047/ecb/2023.12.9.112
10	Pooja Mallinath, Abhishek, Gurunath L. N. Nagbasavanna Sharanappa	Synthesis and Dielectric Properties Study of Nickel Ferrite Doped Polyaniline	Eur. Chem. Bull.	2023	2063-5346	https://www.eurchembull.com/uploads/paper/423d51b45185b2b64dd6d1ea10d13a93.pdf
11	Nagbasavanna Sharanappa, Pooja Channappgol	Study of dielectric properties of Al ₂ O ₃ doped polyaniline	Sadhana	2023	0256-2499 (P); 0973-7677 (O)	http://dio.org/10.1007/s12046-023-02210-3S
12	Rakesh and Dr. Puru Naik	A study on automated	International	2023	2583-9667 (E)	https://multiresearchjo

		unsupervised identification of cone photoreceptor cells in adaptive optics scanning laser ophthalmoscope images	Journal of Advance Research in Multidisciplinary			urnal.theviews.in
Paper Publication Details-2022						
01	Basawaraj Patne, Nagraj Kulkarni, S N Mulgi	Corner truncated and slot loaded square monopole microstrip antenna for wide band applications	The International journal of analytical and experimental modal analysis	2022	0886-9367	www.ijaema.com
02	Jagadish Patil, Dr. S.N.Mulgi, Dr. Nagraj Kulkarni	Experimental Study of How MAGRAV Coils utilize Plasma Field to improve the Efficiency of Electrical Systems	The International Journal of Analytical and Experimental Model Analysis	2022	0886-9367	www.ijaema.com
03	Premavani, B. Satyanarayana, S. N. Mulgi	Design of Semicircular engraved V-shaped Edge Cut Ground Pentagon MSA for UWB Operation	Positif Journal	2022	0048-4911	https://ugccare.unipune.ac.in
04	Pooja Mallinath, Abhishek, Gurunath L. N., Nagbasavanna Sharanappa	Role of Oxidizing Agent on Ferrite Doped Polyaniline	Journal of The Maharaja Sayajirao University of Baroda	2022	0025-0422	https://msubaroda.ac.in
Paper Publication Details-2021						
01	Basawaraj Patne, Nagraj Kulkarni, S N Mulgi	Square monopole microstrip antenna for quad band operation	International Journal for Research in Applied Science & Engineering	2021	2321-9653	www.ijraset.com

			Technology (IJRASET)			
02	Basawaraj Patne, Nagraj Kulkarni, S N Mulgi	A novel design of corner truncated square monopole microstrip antenna for wideband operation	High Technology Letters (HTL)	2021	1006-6748	http://www.gjstx-e.cn http://dio.org/10.1002/mop.24678
03	Basawaraj Patne, Nagraj Kulkarni, S N Mulgi	A design and development of square monopole microstrip antenna for ultra wide band operation	High Technology Letters (HTL)	2021	1006-6748	http://www.gjstx-e.cn
04	Premavani, C. Kalpana, S. N. Mulgi	Design and development of integrated patch microstrip antenna for wideband operation	International Journal of Science and Research (IJSR)	2021	2319-7064	www.ijse.net
05	Premavani, C. Kalpana, S. N. Mulgi	Design and development of splitted gap-coupled monopole rectangular microstrip antenna for wide bandwidth	International Journal of All Research Education and Scientific Methods (IJARESM)	2021	2455-6211	www.ijaresm.com
06	Premavani, C. Kalpana, S. N. Mulgi	Design and development of inverted U-slot rectangular ring coupled monopole microstrip antenna for quad band operation	International Journal for Research in Applied Science & Engineering Technology (IJRASET),	2021	2321-9653	www.ijraset.com
07	Nagbasavanna Sharanappa, Anilkumar Bidve	Effect of alternative mechanochemical method on modified bismuth titanate	Ferroelectric Letters Section	2021	0731-5171 (P) 1563-5228 (O)	https://doi.org/10.1080/07315171.2021.1923118

Paper Publication Details-2020						
01	Biradar Rajendra, S N Mulgi	Multi band and triple notch band tunable monopole circular microstrip antenna for wireless applications	International Journal of Computer Science and Engineering	2020	2347-2693	www.ijcseonline.org/https://doi.org/10.26438/ijcse/v8i10.3135
02	Biradar Rajendra, S N Mulgi	Tunable monopole circular microstrip antenna for tuning WLAN, radar and satellite communication applications	International Journal of Computer Science and Engineering	2020	2347-2693	www.ijcseonline.org/https://10.26438/ijcse/v7i5.12321236
Paper Publication Details-2019						
01	Biradar Rajendra, Dr. S. N. Mulgi	Tunable monopole circular microstrip antenna for GSM, GPS and FCCID applications with Wi-Fi band rejection	International Journal of Electronics Engineering (IJEE)	2019	0973-7383	www.csjournal.com/https://in.docworkspac.com/d/sICm6jszpAdqI-awG
02	Basawaraj Patne, Nagraj Kuklarni, S N Mulgi	Half ground square monopole microstrip antenna for wide band operation	International Journal of Electronics Engineering (IJEE)	2019	0973-7383	www.csjournal.com/https://in.docworkspac.com/d/sIPy6jszpAbyK-awG
03	Basawaraj Patne, Nagraj Kuklarni, S N Mulgi	Vertical slot loaded square monopole microstrip antenna for WLAN and Wi-max applications	International Journal of Electronics Engineering (IJEE)	2019	0973-7383	www.csjournal.com/https://www.csjournals.com/IJEE/PDF11-1/163.%20Nag.pdf
04	Biradar Rajendra, S. N. Mulgi	Tunable monopole circular microstrip antenna for Wide FIBW covering low frequency wireless applications	International Journal of Computer Science and Engineering	2019	2347-2693	www.ijcseonline.org/https://doi.org/10.26438/ijcse/v7i5.12321236

05	Biradar Rajendra, S. N. Mulgi	Tunable monopole circular microstrip antenna for dual frequency covering L, C and X band applications	International Journal of Computer Science and Engineering	2019	2347-2693	www.ijcseonline.org/https://doi.org/10.26438/ijcse/v7i6.507511
06	Satish Jogad, Aparna Shetty, Mahantappa Limbitot, Nagbasavanna Sharanappa	Studies on synthesis, characterization and thermal property of barium ferrite doped polyaniline composite	JETIR	2019	2349-5162	www.jetir.org
Paper Publication Details-2018						
01	Kalpana Chikatwar, S.N.Mulgi	Broadband gap-coupled assembly of patches forming rectangular monopole microstrip antenna	Indian Journal of Scientific Research	2018	0976-2876	http://www.ijsr.in
02	Vidyadhar S Melkeri, Dinesh B Ganure, S. N. Mulgi, R. M. Vani, P V Hunagund	Grid shape defected ground structure for multiband operation and parameter enhancement of microstrip patch antenna	International Journal of Research in Applied Science & Engineering Technology (IJRASET)	2018	2321-9653	www.ijraset.com
03	Vidyadhar S Melkeri, Dinesh B Ganure, S. N. Mulgi, R. M. Vani, P. V. Hunagund	Size reduction with multiband operating square microstrip patch antenna embedded with defected ground structure	International Journal of Research in Applied Science & Engineering Technology (IJRASET)	2018	2321-9653	www.ijraset.com
04	Rajeshwari Biradar, S. N. Mulgi	Design of hybrid dual wide band antenna with notch band characteristics	International Journal of Engineering Science	2018	2319-6734	www.ijesi.org

			Invention (IJESI)			
05	Biradar Rajendra, S. N. Mulgi	Triple band operation for tuning 5 GHz for WLAN application	Indian Journal of Scientific Research	2018	0976-2876	http://www.ijsr.in
06	Biradar Rajendra, Dr. S. N. Mulgi	Dual band tunable circular microstrip antenna for GPS and radar applications	International Journal of Electronics Engineering (IJEE)	2018	0973-7383	www.csjournal.com
07	Biradar Rajendra, S. N. Mulgi	Triple band operation for tuning 5GHz for WLAN application	Indian J. Sci. Res.	2018	0976-2876	http://www.ijsr.in
08	Rakesh Honnalli, Mahantappa Limbitot, Nagbasavanna Sharanappa, B. D. Malipatil, Sangashetty Kalyane	Studies on Dielectric spectroscopy of titanium dioxide doped polyaniline (TiO ₂ /PANI) composite	JETIR	2018	2349-5162	www.jetir.org
09	Rakesh Honnalli, Sangashetty Kalyane, Mahantappa Limbitot, Nagbasavanna Sharanappa	Studies on structural, morphology and electrical conductivity of titanium dioxide doped polyaniline (TiO ₂ /PANI) nanocomposite	JETIR	2018	2349-5162	www.jetir.org
10	Mahantappa Limbitot, Sangashetty Kalyane, Nagbasavanna Sharanappa, Vidyadhara, B. D. Malipatil	Electrical & dielectric studies of magnesium oxide doped polyaniline nanocomposites influenced by ammonium dichromate	JETIR	2018	2349-5162	www.jetir.org
11	Mahantappa Limbitot, Sangashetty Kalyane, Nagbasavanna Sharanappa, Basavaraj Evale, Kamalakanth Lagali	Electrical & Dielectric Studies of Magnesium Oxide doped Polyaniline Nanocomposites	AIRJ	2018	2320-3714	https://www.airo.co.in
12	Mahantappa Limbitot, Mahantappa Limbitot, Sangashetty Kalyane, Nagbasavanna Sharanappa, R. D. Balikile, U. V. Khadke	Electrical & dielectric studies of Silver oxide/Polyaniline nanocomposites influenced by ammonium dichromate	IJASR	2018	2455-4227	www.allsciencejournal.com

Paper Publication Details-2017

01	Rajewhwari Biradar, S. N. Mulgi	A novel design of hybrid monopole rectangular microstrip antenna for WLAN and Wi-MAX applications	International Journal on Recent and Innovative Trends in Computing and Communication (IJRITCC)	2017	2321-8169	https://www.agser.org
02	Syeda Rafath Ara, Dr. S. N. Mulgi	Multi stepped slotted partial ground plane dual notched ultra-wideband rectangular microstrip antenna	Engineering Sciences International Research Journal	2017	2320-4338	https://www.imrfjournals.com
03	Syeda Rafath Ara, Dr. S.N.Mulgi	Enhanced ultra-wide band E shaped patch defective ground plane microstrip antenna for wireless communication applications	International Journal of Engineering Research and Application (IJERA)	2017	2248-9622	www.ijera.com
04	Syeda Rafath Ara, Nagaraj Kulkarni, Dr. S. N. Mulgi	Monopole rectangular microstrip antenna for ultra-wideband and wireless communication applications	Indian J. Sci. Res.	2017	0976-2876	http://www.ijer.in
05	Nagbasavanna Sharanappa	Synthesis of n-type $\text{Bi}_{4-x}\text{La}_x\text{Ti}_3\text{O}_{12}$ ($x=0$ to 0.45) by alternative mechanochemical method	AIP Conference Proceedings	2017	0094-243X 1551-7616(O)	http://aip.scitation.org/toc/apc/1832/1