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Title:	The quest for a miniaturized antenna in the wireless capsule endoscopy application: a review.
Authors:	Biswas, Balaka (/jspui/browse?type=author&value=Biswas%2C+Balaka)
Keywords:	miniaturized antenna Implantable antenna wireless power transfer wireless capsule endoscopy
Issue Date:	2021
Publisher:	Cambridge University Press
Citation:	International Journal of Microwave and Wireless Technologies, 1-11.
Abstract:	This review paper explores the potential use of the planar miniaturized antenna for wireless capsule endoscopy application: one of the promising fields in the current era. The paper highlights the design strategy, various optimization techniques with respect to system realization, material compatibility issues and finally the mandatory EM radiation effect analysis for the said application. It compares amongst various currently reported structures in context with different performance metrics. Inherent challenges of this emerging field of bio-medical engineering have also been detailed here along with futuristic approaches for enhancing the throughput.
Description:	Only IISER Mohali authors are available in the record.
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