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Electromagnetic Safety

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Message from the Guest Editor

Dear Colleagues,

Electromagnetic safety can be considered in two main areas. The first is electromagnetic safety from the point of view of human life and health. This is understood as the impact of electromagnetic fields on the human body. There are many normative documents that regulate the maximum values of electromagnetic field strengths so they do not have a negative impact on humans. Information security is the second area of electromagnetic safety. In this case, electromagnetic fields may affect the correct functioning of electronic devices. Too high values in electromagnetic fields can disturb the operation of an electronic device or, in extreme cases, can lead to its destruction. Another but very important issue in this area is the consideration of an electronic device as a source of electromagnetic emissions that may determine the loss of processed data. This case regards the possibility of correlating the characteristics of the electromagnetic field with the characteristics of the processed information. [...]

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