

**DEVELOPMENT OF NEW TECHNIQUES TO** 



GreenIT



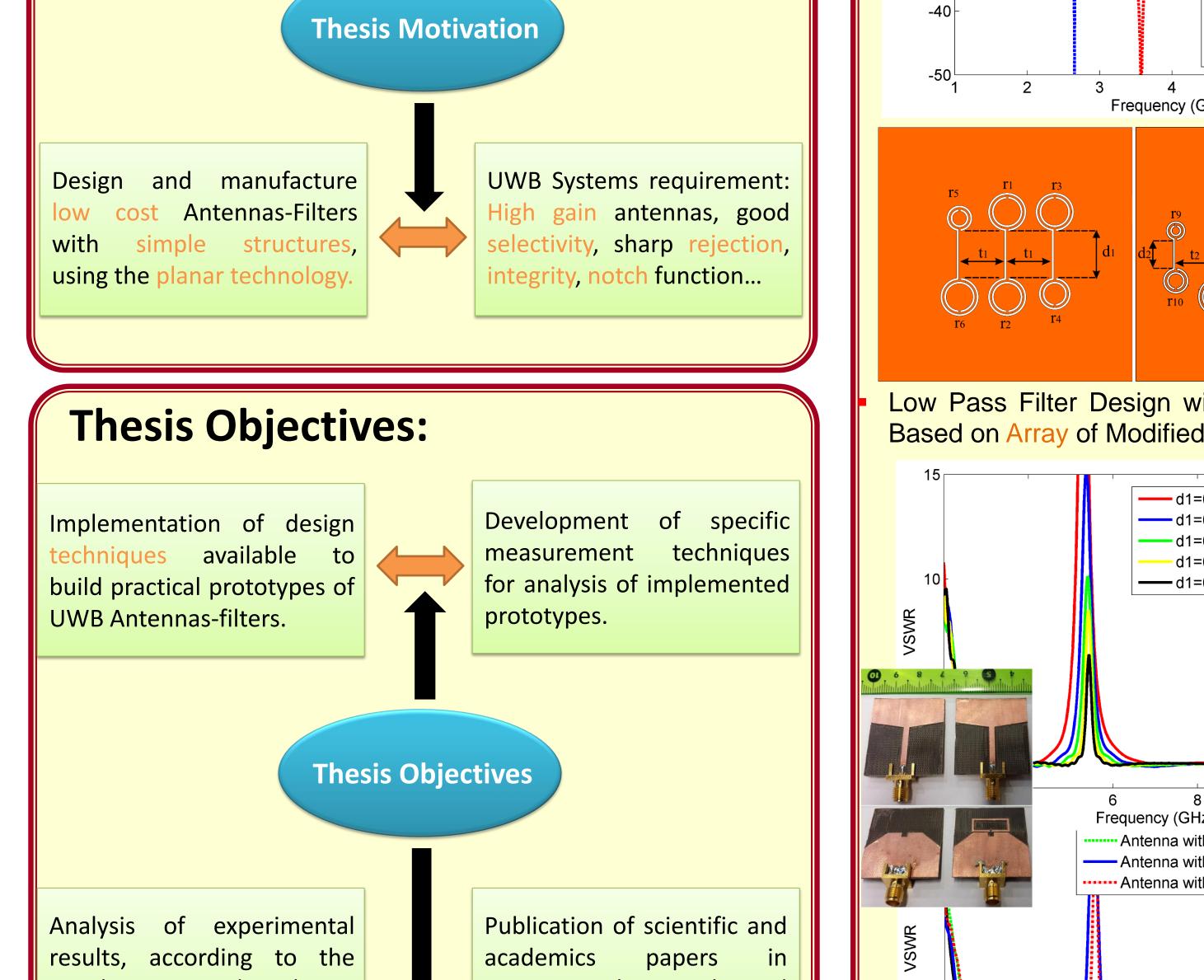
# **DESIGN ANTENNAS AND FILTERS FOR MULTI-FREQUENCY**

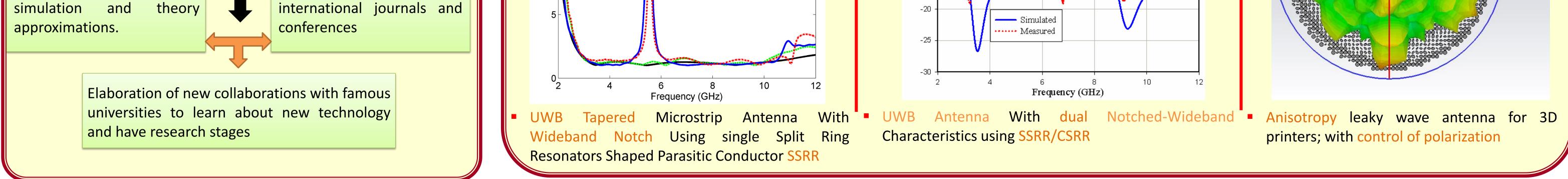
# **AND UWB COMMUNICATION SYSTEMS**

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# **References:**

International Reviewed Journal Papers, Published

**5 PAPERS** 

International Reviewed Journal Papers, Accepted

#### **1 PAPERS**

International Reviewed Journal Papers, Submitted

### 4 PAPERS

International Reviewed Journal Papers, Accepted

# **Research Plan** Literature review of background theory of Ultra-Wideband Antennas-filters. Mastering in CAD program for design of Ultra Wideband Antennas-filters. Development of an ad-hoc simulation tool to design bandpass filters Mastering in implementation techniques to build prototypes of Ultra-Wideband Antennas-filters Publication of achieved results for specific applications as Articles and Internationl Conference presentations

# **Next Year Planning**

Publications of pending research Works

#### **12 PAPERS**

International Reviewed Conference Papers, Published

### 2 PAPERS

National Reviewed Conference Papers, Published

### 2 PAPERS

National Reviewed Conference Papers, Published

**1 PAPERS** 

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Thesis Presentation

# Conclusions

- The presented thesis adds knowledge in the field of antenna and filter designs by developing new techniques and ideas which are proved by successful fabrication, experiments and evaluation. These designs are dotted for multifrequency and ultra-wideband features.
- From a scientific perspective, finally, the value of this thesis in terms of novelty and relevance of the field is attested by the acceptance of the appended international papers and the referred international conference proceedings though an established scientific reviewing process.

2016 Workshop on Monitoring PhD Student Progress (Doc TIC)

