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<b>Thesis Title</b>	<i>Detection of extragalactic supernova remnants</i>
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<b>Summary</b>	Supernova remnants (SNrs) are objects of high importance in astronomy, because they enrich the interstellar medium (ISM) with heavy elements and large amounts of energy. The shock wave that propagates after the supernova explosion compresses, forms and excites the ISM, triggering new star formation. In this work we present the candidate SNRs that detected in five galaxies of the southern hemisphere (NGC 45, NGC 155, NGC 1313, NGC 1672, NGC 7793) and in one galaxy of northern hemisphere (NGC 6946), as well as, the whole procedure from the data analysis until the detection of the sources. We studied the distribution of candidate SNRs in correlation with the galaxy luminosity and their degree of ionization, while at the same time we compared our results with results of similar studies and typical morphological type. Our further goal was to study the interaction between the SNRs and their ISM and to note if different SNR population are met in different environments (for example spiral-irregular galaxies). This work ends with conclusions of this study and the description of the future goal.
<b>Key words</b>	supernova remnants, extragalactic, photometry, interstellar medium
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