

CONTENT

1 INTRODUCTION	5
1.1 Subject of study	5
1.2 State of the art	5
1.3 Objectives of dissertation	7
2 SELECTED METHODS OF INVESTIGATION	8
2.1 Scanning electron microscopy	8
2.2 Scanning probe microscopy	8
2.3 Processing of the topographic images	9
3 EXPERIMENTAL RESULTS	11
3.1 Topography characterization	11
3.1.1 SEM and AFM of polycrystalline solar cells	11
3.1.2 AFM of GaAs solar cells	12
3.2 Local topography of optoelectronic substrates prepared by dry plasma etching process	13
3.3 Preparation of thin films by magnetron sputtering	15
4 CONCLUSION	17
5 REFERENCES	19
6 LIST OF PUBLICATION IN JOURNALS	21
7 PROFESSIONAL CV	22
8 ABSTRACT	23