Document Type	: Thesis
Document Title	: <u>Wide Morita contexts for abelian Categories</u> قرائن موريتا في الأصناف الآبلية
Document Language	: Arabic
Abstract	: Wide Morita contexts" are extension~ of Morita contexts» in abdian categories This notion was introduced by F. Castaiio Iglesias and J. Gomez-ToITecilla~ in Communications in Algebra, VoL 23, in 1995. There are two main branches of thi. exten.ion, which are tenned. right and left wide Morita contexts. Right wide Morita contexts deal w;th the exten.;ons of Mor;ta context, from modules over r;ngs to abelian categor;es, while left wide Morita coutexts can be viewed as extensiou,of contexts of comodule~ 0""[coalgebra~ to abelian categorie,. Using the tool. de\elopedin these wide Morita contexts> many equivalences and duali tiesstudied;n module and comodule categorie~ are now expo,ed to abelian categories. One thing that was gi,en le atteution i, the injectivity criterion. In the present work au aim here is to fill this gap by stndying and upgr-ading the p[operties ofinjective Morita contexts to ;njective right wide Morita coutext~. Moreover-, be;;de~ giving a review of till. uewly developed branch, some definitiou, will be modified and some known results related to equivalences ofcategor;e~ will be resIDICtured. In particular, the ten,or product of two bimodnles is studied a, a ring aud an equivalence c ouditiouis added in the c1aical tatemeut ofMorita Theorem L Rational sy,tems are studied for gener-al rings [elated to Mor;ta context. and we have used them to deduce the 1UJectivitycriterion
Supervisor	اً . سيد خالد نعمان ، د. أحمد ناصر الكناني :
Publishing Year	: 2006