LIST OF CONTENTS

Abstract i
Resumen iv
Resum vii

Introduction 1

Paper 1: A moderate protein diet does not cover the requirements of growing rabbits with high growth rate 17

Paper 2: Plasma urea nitrogen as an indicator of amino acid imbalance in rabbit diets 43

Paper 3: Plasmatic urea nitrogen in growing rabbits with different combinations of dietary levels of lysine, sulphur amino acids and threonine 65

Paper 4: A new proposal for the lysine, sulphur amino acids and threonine recommendations for growing with high growth rate 81

General discussion 106

Conclusion 116

Perspectives 119

Curriculum vitae 121