

## INDEX

### I. INTRODUCTION

|  |    |
|--|----|
| 1. Citrus fruit production.....  | 2  |
| 2. Importance of the varieties under study.....  | 4  |
| 3. Importance of rootstock in citriculture.....  | 8  |
| 4. Effect of Rootstock on Citrus Fruit Quality. A Review<br>Reference: <i>Food Reviews International</i> (Under Review)..... | 19 |

|                     |    |
|---------------------|----|
| II. OBJECTIVES..... | 71 |
|---------------------|----|

|                   |    |
|-------------------|----|
| III. RESULTS..... | 75 |
|-------------------|----|

#### III.1 'CLEMENULES' MANDARINS

##### CHAPTER I

Rootstock Effect on Physico-Chemical and Nutritional Quality of Mandarin 'Clemenules' during the Harvest Season

|   |    |
|---|----|
| Reference: <i>Agronomy</i> , 2020, 10(9), 1350..... | 79 |
|---|----|

|                              |     |
|------------------------------|-----|
| III.2 'TANGO' MANDARINS..... | 105 |
|------------------------------|-----|

##### CHAPTER II

Physico-Chemical, Sensorial and Nutritional Quality during the Harvest Season Of 'Tango' Mandarins Grafted Onto Carrizo Citrange and Forner-Alcaide No.5

|   |     |
|---|-----|
| Reference: <i>Food Chemistry</i> , 2021, 339: 127781..... | 107 |
|---|-----|

##### CHAPTER III

Physicochemical Changes and Chilling Injury Disorders in 'Tango' Mandarins Stored at Low Temperatures.

|  |     |
|--|-----|
| Reference: <i>Journal of Science of Food and Agriculture</i> , 2020, 100, 2750-2760..... | 135 |
|--|-----|

|                            |     |
|----------------------------|-----|
| III.3 'BLOOD' ORANGES..... | 165 |
|----------------------------|-----|

##### CHAPTER IV

Rootstock Effect on Fruit Quality, Anthocyanins, Sugars, Hydroxycinnamic Acids and Flavanones Content during the Harvest of Blood Oranges 'Moro' and 'Tarocco Rosso' Grown in Spain.

|   |     |
|---|-----|
| Reference: <i>Food Chemistry</i> , 2021, 342, 128305..... | 167 |
|---|-----|

##### CHAPTER V

Effect of Cold Storage on Fruit Quality of Blood Oranges

|   |     |
|---|-----|
| Reference: <i>Acta Horticulturae</i> . 1256. ISHS 2019..... | 203 |
|---|-----|

|                             |     |
|-----------------------------|-----|
| IV. GENERAL DISCUSSION..... | 217 |
|-----------------------------|-----|

|                             |     |
|-----------------------------|-----|
| V. GENERAL CONCLUSIONS..... | 233 |
|-----------------------------|-----|