**Table S1.** Search strategy

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| --- | --- | --- | --- |
| **S/n** | **Database** | **Algorithm** | **Number of Articles retrieved** |
| 1 | PubMed | (Gamma-oryzanol OR γ-oryzanol OR Oryzanol OR Cycloartenyl ferulate OR Gammariza) AND (Diabetes mellitus OR Type 2 diabetes mellitus OR hyperglycaemia OR oxidative stress OR inflammation OR dyslipidaemia) | 139 |
| 2 | Scopus | \*All field\* (Gamma-oryzanol OR γ-oryzanol OR Oryzanol OR Cycloartenyl ferulate OR Gammariza) AND (Diabetes mellitus OR Type 2 diabetes mellitus OR hyperglycaemia OR oxidative stress OR inflammation OR dyslipidaemia) | 155 |
| 3 | Web of Science | (Gamma-oryzanol OR γ-oryzanol OR Oryzanol OR Cycloartenyl ferulate OR Gammariza) AND (Diabetes mellitus OR Type 2 diabetes mellitus OR hyperglycaemia OR oxidative stress OR inflammation OR dyslipidaemia) | 256 |
| 4 | Science Direct | i. (Gamma-oryzanol OR γ-oryzanol OR Oryzanol OR Cycloartenyl ferulate OR Gammariza) AND (Diabetes mellitus OR Type 2 diabetes mellitus OR hyperglycaemia)ii. (Gamma-oryzanol OR γ-oryzanol OR Oryzanol OR Cycloartenyl ferulate OR Gammariza ) AND (Oxidative stress OR Inflammation OR dyslipidaemia) | 3001139 |
| **Total** | **1989** |