

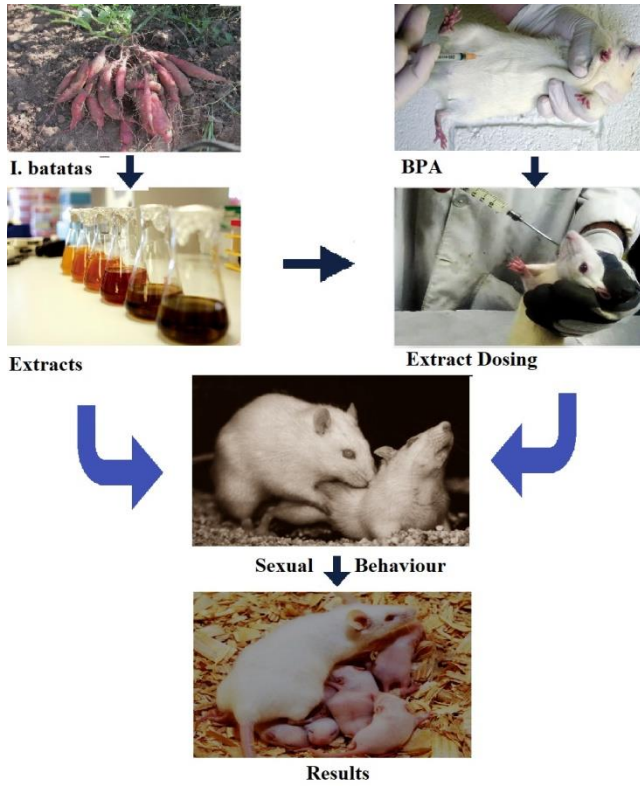
## Additional files

### Additional file 1

**Table 1.** Phytochemical analysis of *I. batatas*

Phytochemical	IPT-EA	IPT-M	IPA-EA	IPA-M
<b>Phenols</b>	+++	++	+++	++
<b>Flavonoids</b>	+++	++	+++	++
<b>Coumarins</b>	+	+	+	++
<b>Saponins</b>	+	++	+	+
<b>Terpenoids</b>	++	+	++	-
<b>Triterpenoids</b>	++	-	+++	+
<b>Tannins</b>	+	++	++	++
<b>Quinones</b>	-	-	-	-
<b>Anthocyanin</b>	++	++	+++	++
<b>Betacyanin</b>	-	-	++	+

(+) present, (-) absent, (++) moderate concentration, (+++) abundant concentration. IPA-EA. *I. batatas* aerial-ethyl acetate extracts, IPA-M *I. batatas* aerial-methanol extract, IPT-EA. *I. batatas* tuber-ethyl acetate extract, IPT-M. *I. batatas* tuber-methanol extract.



Graphical demonstration of aphrodisiac and gonadoprotective potential of *Ipomoea batatas* against BPA induced testicular damage