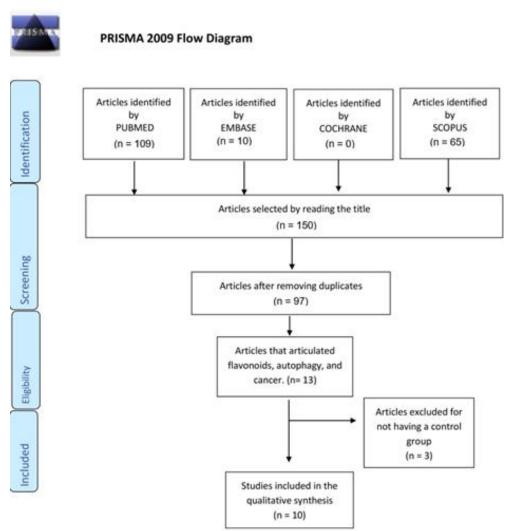
Supplementary material to "Therapeutic Properties of Flavonoids in Treatment of Cancer through Autophagic Modulation: A Systematic Review" written by Guilherme Vinício de Sousa Silva, Ana Luiza Vieira Ferreira Guimarães Lopes, Isis Carolina Viali, Lucas Zannini Medeiros Lima, et al published in Chinese Journal of Integrative Medicine (DOI: https://doi.org/10.1007/s11655-022-3674-9)



Appendix 1. Flow diagram of the study

**Appendix 2. Main characteristics of the selected studies** 

Reference/Coun try	Flavonoid Type	Studied cells	Type of Cancer	Control Group	In vivo or in vitro	Exposure Time	Tempera ture	Outcome
An H-K, et al, 2014/ South Korea	Isolated MML	A549, NSCLC, and others	Lung, Breast, Colorectal and Osteosarcoma	Cells not treated with MML	In vitro	24 h	37 °C 98 °F	The results revealed a significant inhibition of cell proliferation by treatment with MML in a dose-dependent manner.
Aryal P, et al, 2014/ South Korea	Baicalein	PC-3, MDA-MB- 231, and DU145	Prostate and Breast	Cells not treated with Baicalein - positive control through chloroquine, CCCP, cisplatin and BacMam LC3B -FP	In vitro	24 h	37 °C 98 °F	Baicalein reduces mitochondrial membrane potential and induces cell cycle termination leading to death of human prostate and breast cancer cells.
Chen G, et al, 2012/ China	ISL	ACC- 2 and ACC	- Adenoid cystic carcinoma	DMSO	In vivo and in vitro	48 h	37 °C 98 °F	ISL treatment activates autophagy in ACC cells
Chow S, et al, 2012/ Taiwan	Wogonin	NPC-TW076 and NPC-TWO39	Nasopharynx	Cells not treated with Wogonin	In vitro	24 h	37 °C 98 °F	Data indicate that Wogonin activated the autophagic process in a time-dependent manner in NPC cells.
Huang, et al, 2019/ China	Icariin	HeLa	Cervical	Cells not treated with Icariin	In vitro	24 h	37 °C 98 °F	Icariin treatment caused dose-dependent growth inhibition of the HeLa cell line.
Jia S, et al, 2019/ China	Fisetin	PDAC - PANC-1 cells	Pancreatic	Cells incubated in PBS - negative control	In vivo and in vitro	72 h	37 °C 98 °F	The results showed that fisetin increased the autophagic flux in PANC-1 cells.
Lee HJ, et all, 2018/ South Korea	PEC	MKN28	Gastric	Non-use of PEC	In vitro	24 h	37 °C 98 °F	PEC may be an alternative therapeutic agent for human gastric carcinoma.
Li F, et al, 2015 / China	Silibinin	RCC ACHN and 786-O cells	Kidney	Vehicle treated cells (DMSO)	In vitro	24-48 h	37 °C 98 °F	The induction of autophagy by silibinin contributes positively in renal cell carcinoma.
Wang S, et al, 2019/ China	Sotetsu Flavone	NSCLC (in vivo and in vitro) cells	Lung	Non-use of sotetsu flavone	In vivo and in vitro	24 h	37 °C 98 °F	Sotetsu Flavone induces autophagy in NSCLC cells through its effects after blocking PI3K/AKT/mTOR signaling pathways.
Zou M, et al, 2012	Oroxylin A	HepG2 cells	Liver	Non-use of Oroxylin A	In vivo and in vitro	24 h	37 °C 98 °F	Oroxylin A inhibited xenograft tumor growth and induced obvious autophagy in the tumors.