

Supplementary S2. Summary of All Included Studies

Table S2.1. The characteristics of all included articles in alphabetic order of the first author's name.

#	First Author (Year)	Country	Language	Type	RBAC Type	Source	Design	Condition	Action/Effect
1	An (2011)	South Korea	Korean	Thesis	RBEP/EFR	Erom	Animal	Cancer	Antineoplastic
2	Badr El-Din et al. (2008)	Egypt	English	Full paper	Biobran MGN-3	Daiwa	Animal	Cancer	Antineoplastic; Cytokine modulation
3	Badr El-Din et al. (2016a)	Egypt	English	Full paper	Biobran MGN-3	Daiwa	Animal	Cancer	Immunorestorative; Proapoptotic; Chemoprevention
4	Badr El-Din et al. (2016b)	Egypt	English	Full paper	Biobran MGN-3	Daiwa	Animal	Cancer	Chemotherapeutic adjuvant
5	Badr El-Din et al. (2016c)	Egypt	English	Full paper	Biobran MGN-3	Daiwa	Animal	Cancer	Chemoprevention
6	Badr El-Din et al. (2019)	Egypt	English	Full paper	Biobran MGN-3	Daiwa	Animal	Cancer	Antineoplastic; Proapoptotic; Radioprotection; Radiotherapy enhancement.
7	Badr El-Din et al. (2020)	Egypt	English	Full paper	Biobran MGN-3	Daiwa	Animal	Cancer	Proapoptotic; Chemoprevention
8	Bae et al. (2004)	South Korea	Korean	Full paper	Biobran MGN-3	Daiwa	Animal	Cancer	Antineoplastic
9	Bang et al. (2010)	Vietnam	English	Full paper	Biobran MGN-3	Daiwa	RCT	Cancer	Chemotherapeutic adjuvant
10	Brush et al. (2010)	USA	English	Abstract	Biobran MGN-3	Daiwa	Cell	Cancer	Proapoptotic
11	Cholujova et al. (2013)	Slovakia	English	Full paper	Biobran MGN-3	Daiwa	RCT	Cancer	Immunorestorative; Cytokine modulation
12	Endo and Kanbayashi (2003)	Canada	English	Short Comm	Biobran MGN-3	Daiwa	Animal	Healthy	Chemoprotection
13	Ghoneum and Brown (1999)	USA	English	Chapter	Biobran MGN-3	Daiwa	Bef-Aft	Cancer	Immunorestorative
14	Ghoneum and Gollapudi (2003)	USA	English	Full paper	Biobran MGN-3	Daiwa	Cell	Cancer	Proapoptotic
15	Ghoneum and Gollapudi (2005a)	USA	English	Full paper	Biobran MGN-3	Daiwa	Cell	Cancer	Synergistic anticancer
16	Ghoneum and Gollapudi (2005b)	USA	English	Full paper	Biobran MGN-3	Daiwa	Cell	Cancer	Synergistic anticancer
17	Ghoneum and Gollapudi (2011)	USA	English	Full paper	Biobran MGN-3	Daiwa	Cell	Cancer	Synergistic anticancer
18	Ghoneum (1999)	USA	English	Abstract	Biobran MGN-3	Daiwa	Bef-Aft	Cancer	Immunorestorative
19	Ghoneum et al. (2000)	USA	English	Abstract	Biobran MGN-3	Daiwa	Cell	Cancer	Proapoptotic
20	Ghoneum et al. (2014)	USA	English	Full paper	Biobran MGN-3	Daiwa	Cell	Cancer	Proapoptotic; Chemotherapeutic adjuvant
21	Ghoneum et al. (2013)	USA	English	Full paper	Biobran MGN-3	Daiwa	Animal	Healthy	Radioprotection
22	Gollapudi and Ghoneum (2008)	USA	English	Full paper	Biobran MGN-3	Daiwa	Cell	Cancer	Proapoptotic; Chemotherapeutic adjuvant

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23	Golombick et al. (2016)	Australia	English	Full paper	Biobran MGN-3	Daiwa	Bef-Aft	Cancer	Immunorestorative
24	Hajtó et al. (2016)	Hungary	English	Full paper	Biobran MGN-3	Daiwa	Cross-Sect	Cancer	Psychoneuroimmuno-modulation
25	Itoh et al. (2015)	Japan	English	Full paper	Biobran MGN-3	Daiwa	RCT	Cancer	Immunorestorative
26	Jacoby et al. (2001)	USA	English	Full paper	Biobran MGN-3	Daiwa	Animal	Healthy	Chemoprotection
27	Kim et al. (2011)	South Korea	Korean	Full paper	Fermented SuperC3GHi bran	Erom	Animal	Cancer	Antineoplastic
28	Kim et al. (2007)	South Korea	English	Full paper	RBEP/EFR	Erom	Animal	Cancer	Antineoplastic
29	Kim et al. (2020)	South Korea	English	Full paper	ONS	Erom	NRCT	Cancer	Cytokine modulation
30	Lissoni et al. (2008)	Italy	English	Full paper	Biobran MGN-3	Daiwa	Bef-Aft	Cancer	Immunorestorative
31	Masood et al. (2013)	Pakistan	English	Full paper	Biobran MGN-3	Daiwa	RCT	Cancer	Chemoprotection; Psychoneuroimmuno-modulation
32	Noaman et al. (2008)	Egypt	English	Full paper	Biobran MGN-3	Daiwa	Animal	Cancer	Antineoplastic; Antioxidant
33	Pérez-Martínez et al. (2015)	Spain	English	Full paper	Biobran MGN-3	Daiwa	Animal	Cancer	Antineoplastic
34	Pescatore et al. (2022)	USA	English	Full paper	Biobran MGN-3	Daiwa	Bef-Aft	Cancer	Antimetastatic
35	Petrovics et al. (2016)	Hungary	English	Full paper	Biobran MGN-3	Daiwa	RCT	Cancer & CFS	Psychoneuroimmuno-modulation
36	Takahara and Sano (2004)	Japan	Japanese	Full paper	Biobran MGN-3	Daiwa	RCT	Cancer	Immunorestorative
37	Tan and Flores (2020)	Philippines	English	Full paper	Biobran MGN-3	Daiwa	RCT	Cancer	Radioprotection; Psychoneuroimmuno-modulation
38	Zhao et al. (2020)	China	English	Full paper	Biobran MGN-3	Daiwa	Animal	Gastroenteritis	Radioprotection

Abbreviations: Bef-Aft, before and after study; CFS, chronic fatigue syndrome; Comm, communication; Cross-Sect, cross-sectional study; EFR, Erom's fermented rice bran; ONS, oral nutritional supplement; RBEP, rice bran bio-exopolymer; RCT, randomised controlled trial; USA, United States of America.

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