

4 **Name of Journal:** *World Journal of Gastroenterology*

Manuscript NO: 56606

Manuscript Type: ORIGINAL ARTICLE

Basic Study

***Lactobacillus bulgaricus* inhibits colitis-associated cancer via a negative regulation of intestinal inflammation in azoxymethane/dextran sodium sulfate model**

Denise Sayuri Calheiros Silveira, Luciana Chain Veronez, Luís Carlos Lopes-Júnior, Elen Anatriello, Mariângela Ottoboni Brunaldi, Gabriela Pereira-da-Silva

Abstract

BACKGROUND

Match Overview

Match Number	Source	Words	Percentage
1	Internet	161 words crawled on 06-Jul-2020 www.wjgnet.com	4%
2	Crossref	58 words Linlin Chen, Yiyou Zou, Jie Peng, Fanggen Lu, Yani Yin, Fujun Li, Junwen Yang. "Suppresses Colitis-Associated / ..."	1%
3	Crossref	33 words Caio Abner Leite, Jose Mauricio Mota, Kalil Alves de Lima, Carlos Wagner Wanderley et al. "Paradoxical interactio	1%
4	Internet	28 words crawled on 29-Mar-2020 f6publishing.blob.core.windows.net	1%
5	Internet	26 words crawled on 28-Aug-2020 www.hindawi.com	1%
6	Internet	25 words crawled on 25-Jul-2019 link.springer.com	1%
7	Internet	24 words crawled on 04-May-2020 worldwidescience.org	1%
8	Crossref	22 words Ambalam, Padma, Maya Raman, Ravi Kiran Purama, and Mukesh Doble. "Probiotics, prebiotics and colorectal ca ..."	1%
9	Internet	19 words crawled on 20-May-2020 www.healio.com	<1%
10	Crossref	18 words Clarissa Santos Rocha. "Anti-inflammatory properties of dairy lactobacilli", <i>Inflammatory Bowel Diseases</i> , 04/2012	<1%

10

Name of Journal: World Journal of Gastroenterology**Manuscript NO:****Manuscript Type:** ORIGINAL ARTICLE*Basic Study****Lactobacillus bulgaricus* inhibits colitis-associated cancer via a negative regulation of intestinal inflammation**Silveira DSC *et al.* *Lactobacillus bulgaricus* inhibits colitis-associated cancer

Denise S C Silveira, Luciana C Veronez, Luís C Lopes-Júnior, Elen Anatriello, Gabriela Pereira-da-Silva

Abstract**BACKGROUND**

Colitis-associated cancer (CAC) accounts for 2-3% of colorectal cancer (CRC) cases preceded by inflammatory bowel diseases (IBD) such as Crohn's disease and ulcerative colitis. Intestinal microbiota has been reported to play a central role in the pathogenesis of IBD and CAC. Recently, numerous prebiotics and probiotics have been investigated as antitumor agents due to their capacity to modulate inflammatory responses. Previous studies have indicated that lactic acid bacteria (LAB) could be successfully used in managing sporadic CRC, however,

Match Overview

1	Internet 63 words crawled on 02-Mar-2020 www.hindawi.com	2%
2	Internet 61 words crawled on 05-Mar-2017 www.wjgnet.com	2%
3	Internet 24 words crawled on 09-May-2020 worldwidescience.org	1%
4	Crossref 23 words Padma Ambalam, Maya Raman, Ravi Kiran Purama, Mukesh Doble. "Probiotics, prebiotics and colorectal cancer p ..."	1%
5	Internet 20 words crawled on 26-Jan-2018 mirc-undernet.org	1%
6	Crossref 18 words Clarissa Santos Rocha. "Anti-inflammatory properties of dairy lactobacilli", <i>Inflammatory Bowel Diseases</i> , 04/2012	1%
7	Crossref 17 words Ai-Qun Yu, Lianqin Li. "The Potential Role of Probiotics in Cancer Prevention and Treatment", <i>Nutrition and Cancer</i> ,	1%
8	Internet 16 words crawled on 07-May-2020 obgyn.pericles-prod.literatumonline.com	1%
9	Crossref 15 words Eduardo Reyes-Vargas. "Binding of anti-HLA class I antibody to endothelial cells produce an inflammatory cytokin ..."	1%
10	Internet 15 words crawled on 08-Jul-2019 f6publishing.blob.core.windows.net	1%
11	Internet 14 words crawled on 05-Dec-2019 academic.oup.com	<1%



Lactobacillus bulgaricus inhibits colitis-associated cancer via a neg X



ALL

IMAGES

VIDEOS

4,130 Results

Any time ▾

[The effects of a mixture of Lactobacillus species on ...](#)

<https://www.sciencedirect.com/science/article/pii/S2213434420300323>

Sep 01, 2020 · H.A. Lee, et al. Dead nano-sized *Lactobacillus plantarum* inhibits azoxymethane/dextran sulfate sodium-induced colon cancer in Balb/c mice J. Med. ...

Author: Roya Ghanavati, Fahime Mohammadi, A... Publish Year: 2020

[Effect of Lactobacilli on Paracellular Permeability in the Gut](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3257727>

Jan 12, 2011 · 2.3. Dextran Sulfate-Induced Colitis. Increased epithelial permeability is intimately linked to the inflammation process in IBD. The etiology of IBD, mainly ulcerative colitis (UC) and Crohn's disease (CD), is not known but it has been proposed that the excessive immunological reactivity partly depends on the increased intestinal permeability []. ...

Cited by: 135 Author: Siv Ahrné, Marie-Louise Johansson Hagslatt

Publish Year: 2011

[Cutting Edge: Probiotics and Fecal Microbiota ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6501133>

Apr 16, 2019 · Park J. S., Choi J. W., Jhun J., et al. *Lactobacillus acidophilus* improves intestinal inflammation in an acute colitis mouse model by regulation of Th17 and Treg cell balance and fibrosis development. Journal of Medicinal Food. 2018; 21 (3):215–224. doi: ...

Cited by: 4 Author: Wenjie Zeng, Jie Shen, Tao Bo, Liangxin Pe...

Publish Year: 2019

[\(PDF\) Lactobacillus bulgaricus OLL1181 activates the aryl ...](#)

<https://www.researchgate.net/publication/49836534...>

Methods: C57BL/6 mice were treated with azoxymethane and dextran sulfate sodium (AOM/DSS) to develop a UC carcinogenesis model. The treatment group was lavaged with *S. boulardii* (5×10^7 CFU/d ...

[Probiotic strain Lactobacillus plantarum YYC-3 prevents ...](#)

<https://www.sciencedirect.com/science/article/pii/S0753332220303516>

Jul 01, 2020 · The gut microbiota plays important roles in chronic inflammation and colon cancer. *Lactobacillus* is a gut-resident probiotic with benefits to host health. We recently identified *Lactobacillus plantarum* strain YYC-3 with strong inhibition against two colon cancer cell lines (HT-29 and Caco2). However, the inhibitory effect of YYC-3 against colon cancer in vivo has not been verified.

Cited by: 3 Author: Yuanchun Yue, Kai Ye, Jing Lu, Xinyu Wang,...

Publish Year: 2020



Lactobacillus bulgaricus inhibits colitis-associated cancer via a nega



ALL IMAGES VIDEOS MAPS NEWS SHOPPING

4,050 Results Any time ▾

[The effects of a mixture of Lactobacillus species on ...](#)

<https://www.sciencedirect.com/science/article/pii/S2213434420300323>

Sep 01, 2020 · H.A. Lee, et al. Dead nano-sized **Lactobacillus plantarum** inhibits **azoxymethane/dextran sulfate sodium**-induced colon **cancer** in Balb/c mice J. Med. Food, 18 (12) (2015), pp. 1400-1405 Google Scholar

Author: Roya Ghanavati, Fahime Mohammadi... **Publish Year:** 2020

[Effect of Lactobacilli on Paracellular Permeability in the Gut](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3257727>

Jan 12, 2011 · 2.3. **Dextran Sulfate**-Induced Colitis. Increased epithelial permeability is intimately linked to the **inflammation** process in IBD. The etiology of IBD, mainly ulcerative colitis (UC) and Crohn's disease (CD), is not known but it has been proposed that the excessive immunological reactivity partly depends on the increased **intestinal** permeability []. ...

Cited by: 135 **Author:** Siv Ahmné, Marie-Louise Johansson Hags...

Publish Year: 2011

[Cutting Edge: Probiotics and Fecal Microbiota ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6501133>

Apr 16, 2019 · Park J. S., Choi J. W., Jhun J., et al. **Lactobacillus acidophilus** improves **intestinal inflammation** in an acute colitis mouse **model** by **regulation** of Th17 and Treg cell balance and fibrosis development. Journal of Medicinal Food. 2018; 21 (3):215–224. doi: ...

Cited by: 4 **Author:** Wenjie Zeng, Jie Shen, Tao Bo, Liangxin ...

Publish Year: 2019

[Probiotic strain Lactobacillus plantarum YYC-3 prevents ...](#)

<https://www.sciencedirect.com/science/article/pii/S0753332220303516>

Jul 01, 2020 · The gut microbiota plays important roles in chronic **inflammation** and colon **cancer**. **Lactobacillus** is a gut-resident probiotic with benefits to host health. We recently identified **Lactobacillus plantarum** strain YYC-3 with strong inhibition against two colon **cancer** cell lines (HT-29 and Caco2). However, the inhibitory effect of YYC-3 against colon **cancer** in vivo has not been verified.

Cited by: 3 **Author:** Yuanchun Yue, Kai Ye, Jing Lu, Xinyu Wa...

Publish Year: 2020