



GLOBAL RESEARCH ALLIANCE

ON AGRICULTURAL GREENHOUSE GASES

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METHANE FEED ADDITIVES FLAGSHIP PROJECT

*(funding received from **Global Dairy Platform**: 2 years postdoc contract)*

Situation/Issue

- Feed additives are a valuable strategy to reduce methane emissions from ruminants
- Increasing interest in developing feed additives
- Despite the extensive research effort over the last decades, few additives are available in the market

Flagship Project Goal(s)

- **Facilitate the development and use of feed additives to reduce enteric methane emissions**
- **Improve academic and industry capability to develop feed additives and contribute to efficacy assessment**

Anticipated Flagship Outcomes/Impacts

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Technical guidelines and protocols on good practice on how to develop and test feed additives, as well as for accounting for the effect of using this mitigation strategy

Global network of experts to share knowledge and create detailed guidance to enable the livestock sector to collaboratively harness the potential that feed additives offer

Flagship Project Partners

53 Members from 22 countries from: **Asia** **Europe** North America **Latin America** **Oceania**



Activities/Results To Date

Special issue agreed with

*Journal of
Dairy Science*[®]

Official Journal of the American Dairy Science Association[®]

to be published in autumn 2024

Guidelines comprising 6 invited manuscripts	Status
1 - Recommendations for identification and selection of bioactive compounds to develop anti-methanogenic feed additives	Being reviewed R1
2. RECOMMENDATIONS FOR TESTING ENTERIC METHANE-MITIGATING FEED ADDITIVES IN ANIMAL STUDIES	Accepted
3. MODELING THE IMPACT OF FEED ADDITIVES ON ENTERIC METHANE EMISSION OF RUMINANTS: APPROACHES AND RECOMMENDATIONS	Being reviewed R2
4. A Guideline to Uncover the Mode of Action of Anti-Methanogenic Feed Additives for Ruminants	Accepted
5. Registration and regulation of feed additives	Accepted
6. Accounting at Farm, Regional, National or Global level	Being reviewed R1

Opportunities to get involved

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Webinars and dissemination activities to present and discuss the content of the guidelines are being planned towards the end of 2024