

NutriVet, Pohořelice, CZ
Mendel University in Brno, Brno, CZ
National Agricultural and Food Centre – RIAP Nitra, SK
Institute of Animal Science, Prague - Uhřiněves, CZ
Agricultural Research, Ltd., Troubsko, CZ
Crop Research Institute, Prague - Ruzyně, CZ

It is a great pleasure to invite you to participate in



Augustiniánské opatství a farnost při bazilice Nanebevzetí P. Marie na Starém Brně

www.opatstvibrno.cz

The Czechia

More information at <https://www.isfc.eu>

The Symposium will present scientific knowledge from the sphere of forage production, silage production, regulation of fermentation process, technology of forage conservation, silage feeding, nutrition and sustainable animal agriculture.

We will meet in premises where lived and worked Gregor Johann Mendel. His work established the essentials of modern genetic inheritance. The scientific genius was born 200 years ago.

SCHEDULE OF THE SYMPOSIUM

The committee requires the right to change this schedule.

Monday, 24th April 2023

- **Arrival of participants**

- 18,00 - 20,00

Registration of participants

OREA Congress Hotel Brno, Křížkovského 458/47, 603 73 Brno (www.oreacongresshotelbrno.cz)

Tuesday, 25th April 2023

- 08,00 - 09,00

Registration of participants

Opatství Brno, Mendlovo nám.157/1, Staré Brno (www.opatstvibrno.cz)

Plenary papers

- 09:00 - 09:10

Welcome of meeting

Václav JAMBOR, NutriVet Ltd. (CZ)

- 09:10 - 09:30

Gregor Johann Mendel – The Story of a Humble Genius

Blanka Křížová, Mendel Museum of Masaryk University (CZ)

- 09:30 - 10:10

History and evolution of forage production at the Czech Republic

Jan Nedělník, Research Institute for Fodder Crops, Ltd. Troubsko (CZ)

- 10:10 - 10:40

Coffee break

- 10:40 - 11:20

Strategies to improve silage fiber digestibility

Luiz Ferrareto, Wisconsin University (US)

- 11:20 - 12:00

The role of silage alcohols and acetic acid in dairy cow nutrition

João Daniel, State University of Maringá (BR)

- 12:00 - 13:00

Posters for both sections (1 & 2)

- 13:00 - 14:00

Lunch

- 14:00 - 14:40

Silage Fermentation Processes and their implications for the rumen fermentation

David Davies, Silage Solution Ltd. (UK)

- 14:40 - 15:20

The quality monitoring of agricultural crops using multispectral drone imaging.

Jiří Janoušek, Brno University of Technology, Václav Jambor, NutriVet, Ltd. (CZ)

- 15:20 - 16:00

Posters for both sections (1 & 2)

- 18:00 - 23:00

Party for participants - banquet

Wednesday, 26th April 2023

1. Production of forages and Fermentation process of silages

Chairmen:

- SKLÁDANKA Jiří, Mendel University Brno (CZ)
- JANČÍK Filip, Praha - Uhříněves (CZ)

Papers

- 09:00 - 09:20
Forage and fermentation quality of re-ensiled press cakes from biorefining of different grass silages
Resch R., Winter M., Mandl M., Steinwidder A., Sweeney J., McDonnell K.
- 09:20 - 09:40
Harvesting Techniques to Produce High Protein Feed from Alfalfa
Maxa J., Pantke S., Luber E., Thurner S.
- 09:40 - 10:00
Optimizing the Ensiling of Red Clover by Grass Inclusion, Wilting and Formic Acid-based Additive Application
Rinne M., Franco M., Stefanski T., Manni K., Huuskonen A.
- 10:00 - 10:20
Assessing the impact of inoculant treatment on the fermentation, microbial characteristics and aerobic stability of whole-plant rye silage
Jatkauskas J., Vrotniakiene V., Eisner I., Witt K. K., Giuseppe C.
- 10:20 - 10:40
Effects of inoculant treatment on whole crop maize and barley fermentation characteristics and reduction of aerobic deterioration
Vilma Vrotniakiene, Jonas Jatkauskas, Ivan Eisner, Kristian K.Witt, Copani Giuseppe
- 10:40 - 11:20
Coffee break
- 11:20 - 11:40
Lactic acid bacteria from total mixed ration silage have the potential to improve corn silage aerobic stability
Wali A., Nishino N.
- 11:40 - 12:00
A review of the novel *Lentilactobacillus hilgardii* CNCM I-4785 in combination with *L. buchneri* NCIMB 40788 to improve fermentation and aerobic stability of different forages
Queiros L., Kuechenmeister F., Andrieu B., Chevaux E., Villot C.
- 12:00 - 12:20
The use of inoculants affects the change in acid content during aeration of high-moisture corn
Duvnjak M., Kljak K.
- 12:20 - 12:40
Fermentation quality and aerobic stability of crimped ensiled grain treated with different silage additives
Franco M., Seppälä A., Rinne M.
- 12:40 - 13:00
Influence of urea addition on the fermentation process and nutritive value of ensiled shredded high moisture corn grain
Doležal P., Kolečkář J., Dvořáček J., Jambor V.
- 13:00 - 14:00
Lunch

2. Nutrition value of silages and Precision Farming – feeding (NIR technology)

Chairmen:

- LOUČKA Radko, Praha - Uhříněves (CZ)
- JAMBOR Václav, NutriVet, s.r.o. (CZ)

Papers

- 14:00 - 14:20
Development of calibration equations for monitoring the quality of sorghum forage and feeds
Menšík L., Mrkvicová E., Pavlata L., Nerušil P., Plisková J., Šťastník O., Řiháček M., Doležal P., Jambor V.
- 14:20 - 14:40
Concentration of mycotoxins at maize silage and their effect on health, production and reproduction of cows
Illek J., Jambor V., Synková H., Rulfová L., Kumprechtová D., Kadek R., Staffa A., Andělová J.
- 14:40 - 15:00
Corn silage processing score in Hungary (2013-2022)
Orosz S.
- 15:00 - 15:20
Effect of corn shreddage on feed quality, fattening performance, health and carcass value of Fleckvieh bulls
Bunk L., Westendarp H., Korte H., Fenske K.
- 15:20 - 15:40
Opportunities and limits for portable NIRS equipment: Comparison between two portable NIRS systems and wet chemistry analysis of grass silage ensiled at low and high dry matter levels.
Eisner I., Sommer C., Ohl S.
- 15:40 - 16:00
Propane-1,2-diol in corn silages
Mitrik T., Mitrik A., Kořínek D.
- 16:00 - 16:20
Corn silage 2012-2022 (dry continental region of Europe)
Orosz S.
- 16:20 - 16:40
Stretch film of partial recycled plastic, number of layers and mantel film to baled grass-clover silage
Nadeau E., Dahlström F., Weiss K., Larsson A.

Poster

- **Labour Studies by the Forage Production on Peat Grasslands Before, During and After Rewetting**
Mačuhová J., Woortman A., Thurner S.
- **The nutritional value of yellow lupine fodder compared to domestic alternatives**
Jančík F., Homolka P., Kubelková P., Loučka R., Koukolová V., Tyrolová Y., Výborná A.
- **The Impact of Grass Silage Density on Oxygen Penetration in Walled Bunkers**
Marley C. A., Marley G.
- **The Impact of Egalis Ferment on Baled Grass in Norway**
Eileraas T., Eikefjord L-A., Marley G.
- **The impact of Egalis Ferment on Low Dry Matter Grass Ensiled in Mini-Silos**
Marley G.
- **Effects of a mixture of lactic acid bacteria containing *Lactobacillus diolivorans* on aerobic stability of maize silage after short time of storage**
Kramer E., Lau N., Sprafke J., Nelles M.
- **The quality of maize silages treated with BioStabil Mays**
Radko L., Jambor V., Jenkins V., Mueller I.
- **Effect of harvest date of 9 pea varieties on nutritional value and biogasability**
Loučka R.1, Jambor V.2, Jančík F.1, Homolka P.1, Dostálková R.3 1Výzkumný ústav živočišné výroby, v.v.i. Praha Uhříněves; 2NutriVet s.r.o. Pohořelice; 3Agritec Plant Research s.r.o.

- **Effects of a mixture of lactic acid bacteria containing *Lactobacillus diolivorans* on aerobic stability of grass silage after short time of storage**
Kramer E., Lau N., Sprafke J., Nelles M.
- **Efficacy of inoculant on the fermentation process and nutrition value from alfalfa silage with different dry matter under farm conditions**
Kolečkář J., Mrkvicová E., Doležal P.
- **Forage quality and yields of *Festuca arundinacea* Schreb. in 4-cut management (intensive) in a long-term field experiment**
Menšík L., Nerušil P., Plisková J., Kolomazníková J., Kyselý D.
- **The Impact of Oxygen Penetration on Temperature of Grass Silage**
Marley C. A., Marley G.
- **The impact of Egalis Ferment on Low Dry Matter Grass Ensiled in Spain**
Prado H., Marley G.
- **Ensiling corn cob mix with different silage additives**
Seppälä A., Aymanns T., Kuparinen K., Hünting K.
- **Presentation of Czech Journal of Animal Science**
Jančík F., Tučková K.
- **Effect of rake type and settings on clover quality and losses**
Loučka R., Jambor V.

Thursday, 27th April 2023

- 08:00 - 10:00
Excursion of J.G.Mendel Museum and Opatství Brno
<https://mendelmuseum.muni.cz/en>; <https://www.opatstvibrno.cz/>
- 10:00 - 12:00
Excursion of Brewery Starobrno
<https://www.starobrno.cz>
- 12:00 - 13:00
Lunch

Participation and Prices

Each participant (listener or lecturer) have to own a ticket. Tickets are available at <https://registration.isfc.eu> (visit the "Your Participation (registration fees)" section). Based on your order we will send to you an invoice via email (manually). You can pay your order cash directly at registration point in Brno on Monday (24th April 2023) or on Tuesday (25th April 2023). Currency of payment is only CZK.

Conference fee: 7000 CZK before March 31, 2023; 8500 CZK later

- Ticket / Voucher
- Interesting works - written by the people from the whole World
- Symposium Proceeding (english)
- Lunch - every day

Banquet fee: 1050 CZK before March 31, 2023; 1200 CZK later

- The first day of the symposium (25th April, 2023) will be organized banquet for the participants of the symposium.

Excursion fee: 1700 CZK before March 31, 2023; 1900 CZK later

- After the end of symposium (on Friday, 27th April, 2023) will be held an all-day trip. You can look forward to:
 - J.G.Mendel Museum (<https://mendelmuseum.muni.cz/en>)
 - Opatství Brno (<https://www.opatstvibrno.cz/>)
 - Brewery Starobrno ([https://www.starobrno.cz/](https://www.starobrno.cz))

Accompanying person fee: 2200 CZK before March 31, 2023; 2200 CZK later

- The accompanying person has a special program.