**Tạp chí Khoa học Công nghệ Chăn nuôi số 108 (Tháng 02/2020) Journal of Animal Science and Technology – Vol 108. February, 2020**

|  |  |
| --- | --- |
| **CONTENTS** | **Page** |
| **OVERVIEW** |  |
| [Utilization of crop by-product options in smallholder cattle production systems in Vietnam](http://vcn.org.vn/Images/files/T%E1%BA%A1p%20ch%C3%AD/2020/Vol%20108/1_%20Literature%20review%20-%20NIAS%20Journal%2025_03_2020.pdf) | [2](http://vcn.org.vn/Images/files/T%E1%BA%A1p%20ch%C3%AD/2020/Vol%20108/1_%20Literature%20review%20-%20NIAS%20Journal%2025_03_2020.pdf) |
| [*Tran Thi Bich Ngoc, Melanie Blanchard, Rowan Smith, Nguyen Hung Quang, Stephen Ives and Le Thi Thanh Huyen*](http://vcn.org.vn/Images/files/T%E1%BA%A1p%20ch%C3%AD/2020/Vol%20108/1_%20Literature%20review%20-%20NIAS%20Journal%2025_03_2020.pdf) |  |
| [The role of rumen ciliate protozoa in ruminal fermentation, digestion and enteric methane production](http://vcn.org.vn/Images/files/T%E1%BA%A1p%20ch%C3%AD/2020/Vol%20108/2_%20Role%20of%20protozoa%20in%20ruminant%20nutrition_Nguyen%20Hung%20Son%5B686%5D%5B707%5D.pdf) | [20](http://vcn.org.vn/Images/files/T%E1%BA%A1p%20ch%C3%AD/2020/Vol%20108/2_%20Role%20of%20protozoa%20in%20ruminant%20nutrition_Nguyen%20Hung%20Son%5B686%5D%5B707%5D.pdf) |
| [*Nguyen Hung Son and Nguyen Thi Duong Huyen*](http://vcn.org.vn/Images/files/T%E1%BA%A1p%20ch%C3%AD/2020/Vol%20108/2_%20Role%20of%20protozoa%20in%20ruminant%20nutrition_Nguyen%20Hung%20Son%5B686%5D%5B707%5D.pdf) |  |
| **ANIMAL FEEDS AND NUTRITION** |  |
| [Effects of supplementation of vegetable oil and tannin on methane gas emission in raising cattle](http://vcn.org.vn/Images/files/T%E1%BA%A1p%20ch%C3%AD/2020/Vol%20108/3_%20File%202-Bai%20bao%20Nguyen%20Hung%20Quang%20-%20Final%20de%20in%20ngay%2020-3-2020.pdf) | [34](http://vcn.org.vn/Images/files/T%E1%BA%A1p%20ch%C3%AD/2020/Vol%20108/3_%20File%202-Bai%20bao%20Nguyen%20Hung%20Quang%20-%20Final%20de%20in%20ngay%2020-3-2020.pdf) |
| [*Nguyen Hung Quang, Mai Anh Khoa and Chu Manh Thang*](http://vcn.org.vn/Images/files/T%E1%BA%A1p%20ch%C3%AD/2020/Vol%20108/3_%20File%202-Bai%20bao%20Nguyen%20Hung%20Quang%20-%20Final%20de%20in%20ngay%2020-3-2020.pdf) |  |
| [Effects of dietary protein sources on feed and nutrient intake, digestibility and rumen parameters of growing Bach Thao goats](http://vcn.org.vn/Images/files/T%E1%BA%A1p%20ch%C3%AD/2020/Vol%20108/4_%20CP%20sources_Growing%20goat_NTK%20Dong_Revised_T.pdf) | [43](http://vcn.org.vn/Images/files/T%E1%BA%A1p%20ch%C3%AD/2020/Vol%20108/4_%20CP%20sources_Growing%20goat_NTK%20Dong_Revised_T.pdf) |
| [*Nguyen Thi Kim Dong and Nguyen Van Thu*](http://vcn.org.vn/Images/files/T%E1%BA%A1p%20ch%C3%AD/2020/Vol%20108/4_%20CP%20sources_Growing%20goat_NTK%20Dong_Revised_T.pdf) |  |
| [*In vitro* digestibility of rice straw after mushroom  cultivation and the utilization of nutrients of enriched rice straw by Red Sindhi crossbred cattle](http://vcn.org.vn/Images/files/T%E1%BA%A1p%20ch%C3%AD/2020/Vol%20108/5_%20In%20vitro%20digestibiliy_%20mushroom%20rice%20traw_NTK%20Dong_REVISED_T.pdf) | [50](http://vcn.org.vn/Images/files/T%E1%BA%A1p%20ch%C3%AD/2020/Vol%20108/5_%20In%20vitro%20digestibiliy_%20mushroom%20rice%20traw_NTK%20Dong_REVISED_T.pdf) |
| [*Nguyen Thi Kim Dong and Nguyen Van Thu*](http://vcn.org.vn/Images/files/T%E1%BA%A1p%20ch%C3%AD/2020/Vol%20108/5_%20In%20vitro%20digestibiliy_%20mushroom%20rice%20traw_NTK%20Dong_REVISED_T.pdf) |  |
| [A response of reproductivity of crossbred rabbits to dietary crude protein levels from concentrate and water spinach leaves in the Mekong delta of Vietnam](http://vcn.org.vn/Images/files/T%E1%BA%A1p%20ch%C3%AD/2020/Vol%20108/6_%20P_CP_crossbred%20does_NV%20Thu_Revised_F.pdf) | [54](http://vcn.org.vn/Images/files/T%E1%BA%A1p%20ch%C3%AD/2020/Vol%20108/6_%20P_CP_crossbred%20does_NV%20Thu_Revised_F.pdf) |
| [*Nguyen Van Thu*](http://vcn.org.vn/Images/files/T%E1%BA%A1p%20ch%C3%AD/2020/Vol%20108/6_%20P_CP_crossbred%20does_NV%20Thu_Revised_F.pdf) |  |
| [*In vivo* greenhouse gases emissions, nutrient intake, digestibility and rumen parameters of growing sheep affected by dietary silage sources](http://vcn.org.vn/Images/files/T%E1%BA%A1p%20ch%C3%AD/2020/Vol%20108/7_%20PB_Silage_GHG_Sheep_%20N%20V%20Thu_Revised_F.pdf) | [63](http://vcn.org.vn/Images/files/T%E1%BA%A1p%20ch%C3%AD/2020/Vol%20108/7_%20PB_Silage_GHG_Sheep_%20N%20V%20Thu_Revised_F.pdf) |
| [*Nguyen Van Thu*](http://vcn.org.vn/Images/files/T%E1%BA%A1p%20ch%C3%AD/2020/Vol%20108/7_%20PB_Silage_GHG_Sheep_%20N%20V%20Thu_Revised_F.pdf) |  |
| [A response of nutrient utilization, digestibility and daily weight gain of crossbred cattle (Black Angus ´ Zebu) from 13-15 months of age to dietary concentrate supplemention](http://vcn.org.vn/Images/files/T%E1%BA%A1p%20ch%C3%AD/2020/Vol%20108/8_%20Concentrate_Cattle_NB%20Truong_T_F2_Kim%20Cuong%20-%20chinh%20sua%20sau%20gop%20y%20F.pdf) | [73](http://vcn.org.vn/Images/files/T%E1%BA%A1p%20ch%C3%AD/2020/Vol%20108/8_%20Concentrate_Cattle_NB%20Truong_T_F2_Kim%20Cuong%20-%20chinh%20sua%20sau%20gop%20y%20F.pdf) |
| [*Nguyen Binh Truong and Nguyen Van Thu*](http://vcn.org.vn/Images/files/T%E1%BA%A1p%20ch%C3%AD/2020/Vol%20108/8_%20Concentrate_Cattle_NB%20Truong_T_F2_Kim%20Cuong%20-%20chinh%20sua%20sau%20gop%20y%20F.pdf) |  |