

NO.	Research Articles
1.	Downs, G., Upadhyay, D., Mandjiny, S., Frederick, J., and Holmes, L. (2019). Biological Control Technology Utilizing <i>Heterorhabditis bacteriophora</i> and <i>Steinernema carpocapsae</i> . <i>International Journal of Phytopathol.</i> 08(02): 69-76
2.	Alsaïdi, A., Valencia, J., Upadhyay, D., Mandjiny, S., Bullard-Dillard, R., Frederick, J., and Holmes, L. (2018). Mass production of the beneficial nematode <i>Steinernema carpocapsae</i> using solid state fermentation. <i>Journal of Advanced Agricultural Technologies.</i> 5(4). 276-280.
3.	O'Campo, J., Upadhyay, D., Mandjiny, S., Bullard-Dillard, R., Frederick, J., and Holmes, L. (2017). <i>Photorhabdus luminescens</i> Phase II Cells Growth Kinetic Study Using a 2L A plus Sartorius Stedim Biostat® Fermentation System. 3 rd Pan-American Interdisciplinary Conference, PIC 2017, 15-16 February, Buenos Aires, Argentina, Proceedings. <i>European Scientific Journal.</i> June 2017 Special Edition: pp 325-335.
4.	Gerdes, E., Upadhyay, D., Mandjiny, S., Bullard- Dillard, R., Storms, M., Menefee, M. and Holmes, L. (2016). <i>Heterorhabditis bacteriophora</i> : Ecofriendly Biological Control Agent. 5 th Eurasian Multidisciplinary Forum, EMF 2016, 27-28 October, Tbilisi, Georgia, Proceedings. <i>European Scientific Journal.</i> December 2016 Special Edition: pp 109-121.
5.	Johnson, M., Upadhyay, D., Mandjiny, S., Bullard- Dillard, R., Frederick, J. and Holmes, L. (2016). Mass Production of the Beneficial Nematode <i>Heterorhabditis bacteriophora</i> on Solid Media Using Solid State Fermentation Technology. <i>International Journal of Agriculture Sciences.</i> 8(55): 3029-3031.
6.	Holmes, L., Upadhyay, D. and Mandjiny, S. (2016). Biological Control of Agriculture Insect Pests. In 2 nd Pan-American Interdisciplinary Conference, PIC 2016, 24-26 February, Buenos Aires, Argentina, Proceedings. <i>European Scientific Journal.</i> May 2016 Special Edition: pp 228-237.
7.	Sunita, S., Sukanta, D., Kooliyottil, R., Supradip, S., Sangeeta, G., Mandijiny, S., Upadhyay, D. and Holmes, L. (2016). Optimization of aeration, agitation and time to harvest nisin produced by <i>Lactococcus lactis</i> NCIM 2114 in batch MRS medium using Box Behnken design. <i>Journal of Medical and Biological Science research.</i> 2(2): 21-26.
8.	Gulley, K., Upadhyay, D., Mandjiny, S., Bullard- Dillard, R., Storms, M., Menefee, M. and Holmes, L. (2015). Effect of Environmental Factors on Growth Kinetics of <i>Photorhabdus Luminescens</i> Phase-I Cells using a 2L A+ Sartorius Stedim Biostat® Fermentation System. <i>International Journal of Recent Scientific Research.</i> 6(12): 7684-7688.
9.	Upadhyay, D., Mandjiny, S., Bullard- Dillard, R., Storms, M., Menefee, M. and Holmes, L. (2015). Lab-scale <i>in vitro</i> Mass Production of the Entomopathogenic Nematode <i>Heterorhabditis bacteriophora</i> Using Liquid Culture Fermentation Technology. <i>American Journal of Bioscience and Bioengineering.</i> 3(6): 203-207.

10	Sunita, S., Singh, K., Mandjiny, S. and Holmes, L. (2015). Modeling the Growth of <i>Lactococcus lactis</i> NCIM 2114 under Differently Aerated and Agitated Conditions in Broth Medium. <i>Fermentation</i> . 1: 86-97.
11	Gerdes, E., Upadhyay, D., Mandjiny, S., Bullard- Dillard, R., Storms, M., Menefee, M. and Holmes, L. (2015). <i>Photorhabdus Luminescens</i> : Virulent Properties and Agricultural Applications. <i>American Journal of Agriculture and Forestry</i> . 3(5): 171-177.
12	Patterson, W., Upadhyay, D., Mandjiny, S., Bullard- Dillard, R., Storms, M., Menefee, M. and Holmes, L. (2015). Attractant Role of Bacterial Bioluminescence of <i>Photorhabdus luminescens</i> a <i>Galleria mellonella</i> Model. <i>American Journal of Life Sciences</i> . 3(4): 290-294.
13	Kooliyottil, R., Inman III, F., Mandjiny, S. and Holmes, L. (2014). Physiological constants of the Entomopathogenic Bacterium <i>Xenorhabdus nematophila</i> Determined by Microbial Growth Kinetics. <i>ISRN Microbiology</i> , 2014:1-4.
14	Mageshwaran, V., Inman F. and Holmes, L.D. (2014). Growth Kinetics of <i>Bacillus subtilis</i> in Lignocellulosic Carbon Sources. <i>International journal of Microbiology Research</i> . 6 (2): 570-574.
15	Holmes, I., Floyd, L., Inman III. And Menefee, M. (2014). Entrepreneurship in Southeastern North Carolina: The Partnership that works. <i>National Collegiate Inventors and Innovators Alliance</i> .
16	Upadhyay, D., Kooliyottil, R., Mandjiny, S., Inman III, F. L. & Holmes, L. D. (2013). Mass production of the beneficial nematode <i>Steinernema carpocapsae</i> utilizing a fed-batch culturing process. <i>Journal of Plant Pathology</i> . 2(1): 52-58.
17	Kooliyottil, R., Upadhyay, D., Inman III, F., Mandjiny, S. and Holmes, L. (2013). A comparative analysis of entomoparasitic nematodes <i>Heterohabditis bacteriophora</i> and <i>Steinernema carpocapsae</i> . <i>Open Journal of Animal Sciences</i> . 3(4): 326-333.
18	Belur, P. D., Inman III, F. L. & Holmes, L. D. (2013). Determination of specific oxygen uptake rate of <i>Photorhabdus luminescens</i> during submerged culture in lab scale bioreactor. <i>Biocontrol science and technology</i> . 23(12): 1458-1468.
19	Rao, B. M., Inman III, F. L. & Holmes, L. D. (2013). Bioluminescence and chitinase production during chitin fermentation by <i>Vibrio harveyi</i> . <i>Journal of Life Science</i> . 7(5): 491-494.
20	Rao, B. M., Inman III, F., Holmes, L. & Lalitha, K. V. (2013). Chitinase production in a fed-batch fermentation colloidal chitin using a mixed culture of <i>Vibrio harveyi</i> and <i>Vibrio alginolyticus</i> . <i>Fishery Technology</i> . 50: 66-74.

21	Talkington, A., Inman III, F. L. & Holmes, L. D. (2013). A novel method for determining microbial kinetics. <i>Journal of Life Science</i> . 7(8): 787-790.
22	Talkington, A., Inman III, F., Holmes, L. D., & Wei, G. (2013). An extension of a logistic model for microbial kinetics. <i>Advances in Systems Science and Application</i> . 13(1): 80-99.
23	Menefee, M., Holmes, L. and Inman III, F. (2013). Developing Entrepreneurship and Innovation in Rural Southeastern North Carolina: An Update. <i>National Collegiate Inventors and Innovators Alliance</i> .
24	Bowen, M., Co, D., Inman, F. & Holmes, L. D. (2012). Microbial kinetics of <i>Photorhabdus luminescens</i> in glucose batch cultures. <i>Explorations: Journal of Undergraduate Research and Creative Activities for the State of North Carolina</i> . 7: 14-22.
25	Inman III, F. L. & Holmes, L. D. (2012). The effects of trehalose on the bioluminescence and pigmentation of the phase I variant of <i>Photorhabdus luminescens</i> . <i>Journal of Life Sciences</i> . 6: 119-129.
26	Inman III, F. L. & Holmes, L. (2012). Antibacterial screening of secreted compounds produced by the phase I variant of <i>Photorhabdus luminescens</i> . <i>Indian Journal of Microbiology</i> . 52(4): 708-709.
27	Inman III, F. L. & Holmes, L. (2012). Effects of heat sterilization on the bioactivity of antibacterial metabolites secreted by <i>Xenorhabdus nematophila</i> . <i>Pakistan Journal of Biological Sciences</i> . 15(20): 997-1000.
28	Inman III, F. L., Singh, S. & Holmes, L. D. (2012). Mass production of the beneficial nematode <i>Heterorhabditis bacteriophora</i> and its bacterial symbiont <i>Photorhabdus luminescence</i> . <i>Indian Journal of Animal Sciences</i> . 52(3): 316-324.
29	Singh, S., Moreau, E., Inman, F. & Holmes, L. D. (2012). Characterization of <i>Photorhabdus luminescens</i> growth for the rearing of the beneficial nematode <i>Heterorhabditis bacteriophora</i> . <i>Indian Journal of Microbiology</i> . 52(3): 325- 331.
30	Guo Wei, Frankie D. Powell, Veronica K. Freeman and Lenard D. Holmes (2012). Perinatal Depression in Minority and Underserved Rural Women, Perinatal Depression, Dr. Maria Graciela Rojas Castillo (Ed.). ISBN: 978-953-307-826-7
31	Moreau, E., Inman III, F., Singh, S., Walters, H. & Holmes, L. (2011). Remote control of fed-batch fermentation systems. <i>Journal of Chemistry and Chemical Engineering</i> . 5: 897-902.