

SELECTED PUBLICATIONS/BOOKS

a) Articles published or accepted in peer-reviewed journals

1. Damion M. Dooley, Emma J. Griffiths, **Gurinder S. Gosal**, Pier L. Buttigieg, Robert Hoehndorf, Matthew C. Lange, Lynn M. Schriml, Fiona S. L. Brinkman, William W. L. Hsiao (2018). FoodOn: a harmonized food ontology to increase global food traceability, quality control and data integration, Journal Article published Dec 2018 in Nature npj Science of Food volume 2 issue 1, ([publication link](#))
2. **Gosal, Gurinder P.S.**, Sharma, S., Sharma, N. (2018). GaBNER: A Generalized Architecture of Text Engineering (GATE) based Named Entity Recognition System for Protein Kinases, International Journal of Management, Technology and Engineering, Volume 8, Issue XI, NOVEMBER/2018, 2316-2326. (PhD related work) ([publication link](#))
3. **Gosal, Gurinder P.S.**, Sharma, N. (2018). A Brief Survey of Enabling Components for Ontology Development Framework, International Journal of Management, Technology and Engineering, Volume 8, Issue XI, NOVEMBER/2018, 517-524. (PhD related work) ([publication link](#))
4. **Gosal G.P.S.**, & Sharma, N. (2016). A Review of Approaches for Entity Recognition from Biological Text. *International Journal of Computer Science and Information Security*, 14(12), Thomson Reuters. (PhD related work) ([publication link](#))
5. **Gosal, G.** (2015), Ontology Building: An Integrative View of Methodologies, International Journal on Recent and Innovation Trends in Computing and Communication, July- 2015, pp. ISSN: 2321-8169 Volume:3 Issue:7 (PhD related work) ([publication link](#))
6. **Gosal, G.** (2015), A Survey of Biological Entity Recognition Approaches, International Journal on Recent and Innovation Trends in Computing and Communication ISSN: 2321-8169 Volume: 3 Issue: 9, September- 2015, pp. 5385 – 5392 (PhD related work) ([publication link](#))
7. **Gosal, G.** (2015), A Survey on Semantic Annotation of Text, International Journal of Advanced Research in Computer Science and Software Engineering 5(9), September-2015, pp. 54-57 (PhD related work) ([publication link](#))
8. **Gosal, G.** (2015), A Naïve Bayes Approach for Word Sense Disambiguation, International Journal of Advanced Research in Computer Science and Software Engineering 5(7), July- 2015, pp. 336-340 ([publication link](#))
9. **Gosal, G.** (2015), Statistical NLP Approach for Collocation Extraction from Newspaper Text, International Journal of Research in IT & Management, Volume 5, Issue 7 (July, 2015) ([publication link](#))
10. **Gosal, G.**, Kochut, K. J., & Kannan, N. (2011). *ProKinO*: an ontology for integrative analysis of protein kinases in cancer. PloS one, 6(12), e28782. ([publication link](#))

b) Other peer-reviewed contributions

11. **Gosal G***, Griffiths E, Dooley D et al (2019). LexMapr: a rule-based text mining tool for ontology-driven harmonization of short biomedical specimen descriptions, 27th Conference on Intelligent Systems for Molecular Biology (ISMB/ECCB 2019), Basel, Switzerland, 21-25 July, 2019 (international) ([publication link](#))
12. **Gurinder Gosal** and Damion Dooley, William Hsiao (2018), Ontology-driven text-mining analysis and normalization of free-text specimen descriptions, workshop

presentation, 9th International Conference on Biological Ontology (ICBO 2018), Corvallis, Oregon, USA, August 7-10, 2018. (international) ([publication link](#))

13. **Gosal, G. P. S.**, Kannan, N., & Kochut, K. J. (2011, November). ProKinO: A framework for protein kinase ontology. In Bioinformatics and Biomedicine (BIBM), 2011 IEEE International Conference on (pp. 550-555). IEEE. (Masters related work) (international) ([publication link](#))
14. Damion DOOLEY, Emma GRIFFITHS, **Gurinder GOSAL**, Fiona BRINKMAN, and William HSIAO (2017). The Genomic Epidemiology Ontology and GEEM Ontology Reusability Platform. JOWO 2017 The Joint Ontology Workshops, Proceedings of the Joint Ontology Workshops, UK, 2017. (international) ([publication link](#))
15. **Gurinder Gosal***, Damion Dooley, Dalia Alghamdi, Emma Griffiths, Fiona Brinkman & William Hsiao (2017), Text Mining Sample Descriptions for Ontology Term Mapping, IC-FOODS 2017: International Conference for Food Ontologies Operability and Data Semantics, USA, November 6-8, 2017. (international) ([publication link](#))
16. Dalia Alghamdi*, Damion Dooley, **Gurinder Gosal**, Emma Griffiths, Fiona Brinkman & William Hsiao (2017). A Semantic Ontology Approach for mapping Foodborne Disease Metadata, 8th International Conference on Biomedical Ontologies ICBO 2017, UK. (international) ([publication link](#))
17. **Gosal, G.P.S.**, Sharma, N. (2016). PuDO: Development of an Ontology for Hierarchical Organization and Representation of Domains for Punjabi Words, Research Cell: An International Journal of Engineering Sciences, Special Issue ICTMS-16, 25-26 JUNE 2016. (international) ([publication link](#))

c) **Non-peer-reviewed contributions**

Books:

18. **Gosal, G.P.S.** (2015), Livjit Kaur, Analyzing the Features of Java and Map Reduce on Hadoop. LAP LAMBERT Academic Publishing, Germany (October 2, 2015), ISBN-13: 978-3659788475 ([publication link](#))
19. **Gosal, G.P.S.** (2015), Parveen Goyal, Development of a System for Mining Opinions from Product Reviews. LAP LAMBERT Academic Publishing, Germany (September 25, 2015), ISBN-13: 978-3659787416. ([publication link](#))