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. (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. (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. (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 (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 (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 (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)