



List of Publications & Conference Presentations

*There are no secrets to success. It is a result of preparation, hard work and learning
from failure – Colin Powell*

PUBLICATIONS:

1. **Bhairavi N. Vajaria**, Kinjal R. Patel, Rasheedunnisa Begum, Jayendra B. Patel, Franky D. Shah, Geeta M. Joshi, Prabhudas S. Patel. Salivary Glycosialylation changes monitors Oral Carcinogenesis. *Glycoconjugate Journal* 2014; 31:649-659.
2. **Bhairavi N. Vajaria**, Kinjal R. Patel, Rasheedunnisa Begum, Franky D. Shah, Jayendra B. Patel, Geeta M. Joshi, Prabhudas S. Patel. Clinical significance of Salivary Matrix Metalloproteinase-9 in Oral Precancerous Conditions and Oral Cancer. *Cancers Review* 2014; 1:33-44.
3. **Bhairavi N. Vajaria**, Kinjal R. Patel, Rasheedunnisa Begum, Jayendra B. Patel, Franky D. Shah, Geeta M. Joshi, Prabhudas S. Patel. Significance of glycosyltransferases: *ST3GALI*, *FUT3*, *FUT5* and *FUT6* transcripts in oral cancer. *Glycobiology Insights* 2014; 4:7-14.
4. **Bhairavi N. Vajaria**, Kinjal R. Patel, Rasheedunnisa Begum, Franky D. Shah, Jayendra B. Patel, Shilin N. Shukla, Prabhudas S. Patel. Evaluation of serum and salivary total sialic acid and alpha-L-fucosidase in patients with oral precancerous condition and oral cancer. *Oral Surgery, Oral Medicine, Oral pathology, Oral Radiology* 2013; 115:764-771.
5. **Bhairavi N. Vajaria**, Kinjal R. Patel, Rasheedunnisa Begum, Jayendra B. Patel, Franky D. Shah, Shilin N. Shukla, Prabhudas S. Patel. Glycoprotein electrophoretic patterns have potential to monitor changes associated with neoplastic transformation in oral cancer. *International Journal of Biological Markers* 2012; 27:247-256.
6. Kinjal R. Patel, **Bhairavi N. Vajaria**, Rasheedunnisa Begum, Jayendra B. Patel, Franky D. Shah, Geeta M. Joshi, Prabhudas S. Patel. VEGF A isoforms play a vital role in oral cancer progression. *Tumor Biology* 2015 (In press).
7. Kinjal R. Patel, **Bhairavi N. Vajaria**, Rasheedunnisa Begum, Ava Desai, Jayendra B. Patel, Franky D. Shah, Shilin N. Shukla, Prabhudas S. Patel. Prevalence of high risk human papilloma virus type 16 and 18 in oral and cervical cancers in population from Gujarat, West India. *Journal of Oral Pathology and Medicine* 2014; 43:293-297.
8. Kinjal R. Patel, **Bhairavi N. Vajaria**, Rasheedunnisa Begum, Franky D. Shah, Jayendra B. Patel, Shilin N. Shukla, Prabhudas S. Patel. Association between p53 gene variants and oral cancer susceptibility in West Indian population. *Asian Pacific Journal of Cancer Prevention* 2013; 14:1093-1100.
9. Kinjal R. Patel, **Bhairavi N. Vajaria**, Rasheedunnisa Begum, Prabhudas S. Patel. A review on genetic susceptibility towards oral cancer risk among Indian population. *Gujarat Cancer Society Research Journal* 2013; 15:10-17.
10. Franky D. Shah, Rasheedunnisa Begum, **Bhairavi N. Vajaria**, Kinjal R. Patel, Jayendra B. Patel, Shilin N. Shukla, Prabhudas S. Patel. A review on salivary

genomics and proteomics biomarkers in oral cancer. *Indian Journal of Clinical Biochemistry* 2011; 26: 326-334.

11. Tina K. Dave, Rasheedunnisa Begum, Jayendra B. Patel, **Bhairavi N. Vajaria**, Shilin N. Shukla, Pankaj M. Shah, Prabhudas S. Patel. Study of NFκ-β activation and IL-8 in oral cancer. *Gujarat Cancer Society Research Bulletin* 2010; 10:12-17.

Manuscript communicated:

Bhairavi N. Vajaria, Kinjal R. Patel, Rasheedunnisa Begum, Prabhudas S. Patel. Sialylation: An avenue to target cancer cells.

Manuscripts to be communicated:

Bhairavi N. Vajaria, Kinjal R. Patel, Rasheedunnisa Begum, Jayendra B. Patel, Franky D. Shah, Prabhudas S. Patel. Loss of E-cadherin by Matrix-metalloproteinases modulates cell-cell adhesion and upregulates c-Jun expression in oral carcinogenesis.

Bhairavi N. Vajaria, Kinjal R. Patel, Rasheedunnisa Begum, Franky D. Shah, Jayendra B. Patel, Prabhudas S. Patel. Significance of Phosphorylated Epidermal Growth Factor Receptor, Matrix Metalloproteinases and E-cadherin in Oral Cancer.

CONFERENCE PRESENTATIONS AND AWARDS:

1. Poster presentation: **Bhairavi N. Vajaria**, Kinjal R. Patel, Rasheedunnisa Begum, Prabhudas S. Patel. Salivary glycomics approach in monitoring oral carcinogenesis at three day National Symposium in Biochemical Sciences at Department of Biochemistry, The M.S. University of Baroda, Vadodara 29-31st December, 2014.
2. Poster presentation: **Bhairavi N. Vajaria**, Rasheedunnisa Begum, Prabhudas S. Patel. "Cancer Research from OM to OMICS: Approach Salivary glycomics in monitoring oral carcinogenesis" at International symposium on "Recent trends in Cancer Research form OM to OMICS" at The Gujarat Cancer & Research Institute Ahmedabad, Gujarat, 28 November, 2014.
3. Oral presentation: **Bhairavi N. Vajaria**, Kinjal R. Patel, Rasheedunnisa Begum, Franky D. Shah, Jayendra B. Patel, Shilin N. Shukla, Prabhudas S. Patel. *Evaluation of serum Total sialic acid and alpha-L-fucosidase in patients with oral precancerous condition and oral cancer* at hospital day celebrations 19-24th May, 2014. (**Bronze medal- T. B. Patel Young Research Scientist Award**)

4. Oral presentation: **Bhairavi N. Vajaria**, Kinjal R. Patel, Rasheedunnisa Begum, Shilin N. Shukla, Prabhudas S. Patel. *Significance of salivary glycosylation changes in oral precancerous conditions and oral cancer.* “Biochemistry – A science beyond compartmentalization” held at Mahatma Gandhi Labour Institute, Ahmedabad 20th-21st December, 2013 (*1st Prize*)
5. Oral presentation & Poster presentation: **Bhairavi N. Vajaria**, Kinjal R. Patel, Rasheedunnisa Begum, Shilin N. Shukla, Prabhudas S. Patel. *Significance of salivary glycosylation changes in oral precancerous conditions and oral cancer.* Glycobiology of cancer: Lectins as tools and targets, Dharwad Regional Science centre, Karnatak University campus, Dharwad 7-9th November 2013.
6. Poster presentation: **Bhairavi N. Vajaria**, Kinjal R. Patel, Rasheedunnisa Begum, Franky D. Shah, Jayendra B. Patel, Shilin N. Shukla, Prabhudas S. Patel. *Evaluation of serum Total sialic acid and alpha-L-fucosidase in patients with oral precancerous condition and oral cancer.* Indian cancer congress 2013 – Landmark poster session. New Delhi 21-24th November, 2013.
7. Poster presentation: **Bhairavi N. Vajaria.** *My dreams to conquer cancer: Prevention, Early detection, Diagnosis and treatment.* One day seminar on “Cancer: From Biologist’s Perspective” as a part of National Science Day celebrations 2013 at The Gujarat Cancer & Research Institute. (*1st Prize*)
8. Poster presentation: **Bhairavi N. Vajaria**, Kinjal R. Patel, Rasheedunnisa Begum, Franky D Shah, Prabhudas S. Patel, Shilin N Shukla. *Evaluation of serum and salivary glycosylation changes in oral cancer.* 32nd Annual Convention of Indian Association of Cancer Research, New Delhi; 13-16th February, 2013.
9. Poster presentation: **Bhairavi N. Vajaria**, Kinjal R. Patel, Rasheedunnisa begum, Jayendra B. Patel, Franky D. Shah, Prabhudas S. Patel. *Glycoprotein electrophoretic patterns have potentials to monitor changes associated with neoplastic transformation in oral cancer.* 4th International Symposium on Translational Cancer Research, Udaipur 16th – 19th December 2011. (*2nd Prize*)
10. Poster presentation: **Bhairavi Vajaria.** *Nanotechnology: Recent trends and development in cancer research.* 4th seminar on Modern Laboratory Techniques in Molecular Biology at The Gujarat Cancer & Research Institute, Ahmedabad, 28th February 2010. (*3rd Prize*)
11. Poster presentation: **Bhairavi N. Vajaria**, Kinal R. Patel, Jayendra B. Patel, Prabhudas S. Patel. *Fucosylation changes in oral cancer.* 3rd International symposium on Translational Cancer Research, Bhubaneshwar, Orissa 18th-20th December 2009.

12. *Oral presentation: Bhairavi Vajaria. Serum fucosylation changes in oral cancer and oral precancerous conditions. Hospital day function at The Gujarat Cancer & Research Institute, Ahmedabad, 11th April 2009. (Gold medal -T. B. Patel Young Research Scientist Award)*

WORKSHOPS ATTENDED:

Workshop on “Good Clinical practices” at The Gujarat Cancer & Research Institute, Ahmedabad (December 29, 2012).

Professor S D Telang Memorial Visiting Faculty programme on “DNA damage and repair mechanism” conducted at The Department of Biochemistry, The M.S. University of Baroda, Vadodara (December 19-21, 2011).

Hands on training

Attended hands on training workshop on “Fundamentals of Mass spectrometry-based proteomics for beginners” organized at Institute of Bioinformatics, Bangalore. (September 21-23, 2014).