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CAREER SUMMARY:

- Background in the biochemistry field.
- Expertise in clinical & preclinical models.
- Skill in bioanalytical tools & techniques.
- Experience in lab & project management, and supervision.

AREA OF EXPERTISE:

Antioxidant | Bioassay | Biomarkers selection | Biosafety guidelines | Biostatistics | Cancer | Clinical chemistry | Drug screening | Exercise Science | Grant review | Management | Metabolic disorder | Mitochondria | Neurotrauma | Nutraceuticals | Nutrition | Oxidative stress | Pharmacology | Project review | Safety assessment of drug (OECD & Redbook II guidelines) | SOPs | Toxicology

EMPLOYMENTS:

Lab Manager/Coordinator, Research Programs – Florida Atlantic University Dec. 2017-Current

- Manage & Coordinate the broad research portfolio of the Dept. of Exercise Science & Health Promotion (ESHP).
- Oversee the day-to-day operations of the ESHP biochemistry lab as well as supporting ESHP investigators and students in the hypothesis generation, project development, data analysis, and external funding efforts in the clinical exercise physiology and preclinical disease models.

Assistant Research Scientist – Biodesign Institute, Arizona State University Jan. 2017-Nov. 2017

- Evaluated the novel anti-cancer & mitochondrial targeting drugs.

Research Associate – East Tennessee State University Mar. 2015-Jan. 2017

- Studied the mitochondrial function & cell signaling in the neuronal models.

Postdoc/Scientist II – SCoBIRC, University of Kentucky Oct. 2008-Mar. 2015

- Evaluated the CNS drugs, miRNA & oxidative stress in the neuronal injury models.
- Studied the diabetic renal & cardiovascular complications.

Assistant Professor – Sardar Patel University, India Aug. 2006-May 2008

- Characterized the Cyanobacterial phycoerythrin's therapeutic role & safety assessment.
- Studied antioxidant potential of medicinal plants.

KEY HIGHLIGHTS:

- Patent (1): Therapeutic Compounds. Publication #: WO/2018/039487.
<https://patentscope.wipo.int/search/en/detail.jsf?docId=WO2018039487>
- >35 publications.
<https://pubmed.ncbi.nlm.nih.gov/?term=visavadiya+NP&sort=date>
- >40 talks & posters.
- Act as a reviewer (>40 Journals).
- Editorial board member in 3 journals.
- Membership in biomedical society.

EDUCATION:

2006 – Ph.D. (Biological Sciences), Sardar Patel University, India

2001 – MS (Biological Sciences), Sardar Patel University, India

1999 – BS (Biological Sciences), Saurashtra University, India