

GANESH ACHARYA

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EDUCATION

- AUG 2020 –
RUNNING** **MS Biotechnology (conferred), PhD Biomedical Sciences**
Texas Tech University Health Sciences Center, Department of Cell Biology and Biochemistry, School of Medicine, US
- Molecules (core I), Cells (Core II), Genes (core III)
 - Biomedical Informatics, Introduction to Biotechnology, Adv Cell Biology
 - Bioinformatics Methods I (*University of Toronto online course*)
 - Molecules (core I) **tutor** for Fall 2021
 - Advanced Protein Biochemistry
 - Genomic data science (*John Hopkins University online course*)
 - Biomedical Statistics, Biology of Cancer, Introduction to Python Programming
- JAN 2019 -
AUG 2020** **MS Chemistry (Biochemistry)**
Southern Illinois University Edwardsville, College of Arts and Science, US
- Advanced Biochemistry, Advanced Organic Chemistry, Advanced Analytical Chemistry, Advanced Inorganic Chemistry
 - Electives: Organic reactions and Chemical Separation techniques
- AUG 2011 -
OCT 2015** **Bachelor of Pharmacy**
Kathmandu University, School of Science, Nepal
- Physics I & II, Calculus, General Biology, Statistics I & II, Microbiology
 - Physiology & Pathophysiology I & II, Biochemistry, Organic Chemistry, Natural Product Chemistry, Quantitative & Instrumental Analysis, Medicinal Chemistry
 - Biological Pharmacy, Pharmaceutics, Pharmaceutical Biotechnology, Clinical Pharmacy, Pharmacology and Toxicology I & II, Pharmacotherapeutics etc.

RESEARCH/TEACHING EXPERIENCES

- SEP 2020 -
(RUNNING)** **Graduate Research Assistant**
Texas Tech University Health Sciences Center, Graduate School of Biomedical Sciences
- Got trained, rotated, and worked in different research laboratories at TTUHSC and involved in several projects:
 - ✓ A novel role for BRIP1/FANCD1 in neuronal cells health and in resolving oxidative stress induced DNA lesions (**Published!**)
 - ✓ Racial differences in RAD51 expression is regulated by miRNA-214-5P and its inhibition synergizes with olaparib in Triple-Negative Breast Cancer (**Published!**)
 - ✓ Identifying novel therapeutic modalities to overcome resistance in ovarian cancer (*ongoing*)
 - ✓ Targeting metabolic and replication stress crosstalk to treat chemo resistant ovarian cancer (**Published!**)

- ✓ Glutaminase inhibition induces replication stress in ovarian cancer cells and inhibition of replication checkpoint causes synthetic lethality (*ongoing*)
- ✓ Hypoxia modulates PARG inhibitor-induced integrated stress response (ISR) mechanisms in ovarian cancer (*ongoing*)
- ✓ Novel function of Haspin Kinase in the regulation of DNA damage repair and immunomodulation in ovarian cancer and kidney cancer (*ongoing*)
- ✓ CDK stabilizes RAD18 expression and activates TLS pathway in ovarian cancer (*ongoing*)
- ✓ Investigation of the anticancer effect of novel fluoropyrimidine drug-CF10 in colorectal cancer and overcome 5FU resistance (*ongoing*)
- Organizing and coordinating meetings with lab members
- Assisting and guiding/mentoring MS, MD and PhD students in the lab

JAN 2019 -
AUG 2020

Graduate Teaching/Research Assistant

Southern Illinois University Edwardsville, College of Arts and Science

- Instructed on CHEM 125B laboratory sections of 20+ undergraduate students
- Provided detailed explanation of processes that are demonstrated in lab works
- Assisted to undergraduate students on General Chem and Biochemistry classwork
- Worked in a biochemistry research lab focusing on protein purification and characterization

APR 2016 -
DEC 2018

Lecturer, Pharmacy Co-Ordinator

Shradha Institute of Health Science, Bhaktapur, Nepal

- Presented lectures on Pharmaceutical Chemistry II, Pharmacology I and Biochemistry to certificate level diploma students
- Instructed students in their laboratory work
- Coordinated and supervised students in their comprehensive field study

JUN 2016-
MAR 2017

Research Assistant

Kathmandu University, Dhulikhel, Nepal

- Involved in a field research survey on “**Assessment of NTFPs in and around Langtang National Park under WWF Nepal funded NTFP project**”
- Conducted literature review, and assisted with collection and analyses of data for faculty research work

THESIS/DISSERTATIONS

Characterization of the Dual Oxidase’s EF-hand Domain and NADPH Oxidase 5’s Domain-Domain Interaction, (MS Thesis)

Southern Illinois University Edwardsville, Depart. of Chemistry and Biochemistry

- Expression, Purification, and Characterization of different NOX proteins
- Gel electrophoresis (SDS-PAGE, Agarose), PCR, chromatographic separations (FPLC, HPLC)
- Kinetic and thermodynamic analysis using Fluorescence spectroscopy, Stopped flow, and Calorimetry.

Phytochemical screening, *in-vitro*, and *in-vivo* evaluation of anti-diabetic herbal formulations, (Bachelor Thesis)

Kathmandu University, School of Pharmacy

- Screening of phytochemicals in different herbal formulations

- Determination of α -amylase inhibitory activity of antidiabetic formulations using UV-spectroscopy
- Determination of potential hypoglycemic activity of antidiabetic herbal formulations in streptozotocin induced diabetic mice

LABORATORY/COMPUTER SKILLS

- **Molecular & Cell Biology:** Cell culture & cell-based functional & reporter assays, RT-qPCR, PCR, Gel electrophoresis, DNA/RNA isolation, DNA genotyping, Western blotting, Immunoprecipitation, ChIP, Primary tumor cell isolation, CRISPR, siRNA transfection, shRNA Lentivirus transfection, DNA/plasmid transfection, 3D tumor organoids, TEM, Confocal microscopy & IF, Immunohistochemistry, Multi-color flow cytometry (FACS).
- **In Vivo Models:** Genotyping, breeding, dosing (IV/IP/SC/PO), tumor burden analysis, tumor xenografts, IVIS imaging.
- **Assay Development:** Cell proliferation, Apoptosis, Invasion/Migration, Cell cycle, DNA damage (DrGFP, Comet assay, DNA Fiber, BrDU), cytokine analysis (MSD/ELISA), AldeFluor, , NAD⁺/ATP, Oxidate stress, MitoSOX.
- **Protein Purification & Characterization:** Molecular cloning, Affinity & Size exclusion chromatography (HPLC, FPLC), SDS-PAGE, Fluorescence spectroscopy, UV-Vis Spectroscopy, Isothermal titration calorimetry, Differential scanning calorimetry.
- **Computational skills:** Microsoft Excel, ImageJ, GraphPad Prism, FlowJo, Mod Fit, PyMol, Adobe Illustrator, Adobe Photoshop, Python, NGS library prep and data analysis, Genomic data science, Biostatistics, Bioinformatics.
- **Other skills:** Scientific writing, Project design and management, Inter-disciplinary collaboration, Troubleshooting, Student mentoring.

PUBLICATIONS

- Shahriar M., Molinares M., **Acharya G.**, Palle K., and Xu C. (2025) 3D Bioprinting of a Perfusable Tumor Microenvironment Model to Investigate Perfusion and Chemotherapeutic Responses in Ovarian Cancer Cells. *Int. J. Bioprinting* (ID: IJB025320316).
- Sah Naresh., Shaik AA., **Acharya G.**, Dunna M., Silwal A., Sharma S., Khan S., and Bagchi S. (2024) Receptor-Based Strategies for Overcoming Resistance in Cancer Therapy. *Receptors*, 2024, 3(4), 425-443.
- **Acharya G.**, Mani C., Sah N., Saamarthy K., Young R., Reedy M, Sobol R., and Palle K. (2024) Chk1 inhibitor induced PARylation by targeting PARG causes excessive replication and metabolic stress and overcomes chemoresistance in ovarian cancer. *Cell Death Discovery*, (2024) 10:278.
- **Mani C.**[#], **Acharya G.**[#], Saamarthy K., Ochola D., Mereddy N., Pruitt K., Manne U., & Palle K. (2022) Racial Differences in Rad51 Expression are regulated by miRNA-214-5P, and its inhibition synergizes with olaparib in triple-negative breast cancer. *Breast Cancer Research*, 25, 44 (2023) [#]**Authors Contributed Equally.**
- Mani, C., **Acharya, G.**, Kshirsagar, S., Vijayan, M., Khan, H., Reddy, P. H., & Palle, K. (2022). A Novel Role for BRIP1/FANCI in Neuronal Cells Health and in Resolving Oxidative Stress-Induced DNA Lesions. *Journal of Alzheimer's disease: JAD*, 85(1), 207–221.
- Wei CC., Hay E., Smith D., Lloyd L., **Acharya G.**, Ngo R., (2020). Binding of Nox5's EF-Hand domain to the peptides corresponding to the phosphorylatable region and regulatory inhibitory loop in its dehydrogenase domain. *Biophysical Chemistry*, vol-262, 106379.

Conference Papers:

- Omy, T., Sah, N., Reedy, M., **Acharya, G.**, & Palle, K. (2025). Abstract 3090: miRNA-221-5p-mediated epigenetic regulation promotes chemoresistance and offers therapeutic potential in ovarian cancer. *Cancer Res* (2025) 85 (8_Supplement_1): 3090.
- **Acharya, G.**, Ochola, D., Mani, C., Sah, N., Reedy, M., & Palle, K. (2024). Abstract S20: Targeting Metabolic and DNA Damage Checkpoint Induces Excessive DNA Damage and Causes Synergistic Lethality in GLS^{high} Chemoresistant Ovarian Cancer Cells. *Environmental and Molecular Mutagenesis: Volume 65, Issue S2, Pages: C1, 1-135* (18).
- **Acharya, G.**, Mani, C., Reedy, M., & Palle, K. (2023). Abstract 2667: PARG inhibition augments Chk1 inhibitor-induced replication stress and synergistically kills ovarian cancer cells. *Cancer Res* (2023) 83 (7_Supplement): 2667.
- Luna, P., **Acharya, G.**, Ochola, D., Peddibhotla S., Mani, C., Reedy, M., & Palle, K. (2023). Abstract 5496: Glutaminase inhibition induces replication stress in ovarian cancer cells and inhibition of replication checkpoint causes synthetic lethality. *Cancer Res* (2023) 83 (7_Supplement): 5496.
- **Acharya, G.**, Mani, C., Manne, U., & Palle, K. (2023). Abstract CO27: miRNA-214-5P regulates RAD51, a biomarker for aggressive disease and racial disparities in triple-negative breast cancer. *Cancer Epidemiol Biomarkers*, 32 (1_Supplement): C027.
- **Acharya, G.**, Mani, C., Manne, U., & Palle, K. (2022). Abstract PO-131: RAD51 is a biomarker for aggressive disease and racial disparities in triple-negative breast cancer. *Cancer Epidemiology, Biomarkers & Prevention*, 31(1_Supplement), PO-131.

Thesis Paper:

- **Acharya, G.** (2020). Characterization of the dual Oxidase's EF-hand domain and NADPH oxidase 5's domain-domain interaction (Order No. 28030062).

REVIEWED MANUSCRIPTS ON INVITATION

- Assessment of the Efficacy and Prognostic Value of 18F-FDG PET-CT Using Deauville Five-Point Scale and Δ SUV_{max} Methods in Diffuse Large B-Cell Lymphoma Patients (MD-D-24-10382) *Medicine*, **2025**.
- Analysis of factors influencing lung cancer in patients with type 2 diabetes mellitus (MD-D-22-06059R1) *Medicine*, **2025**.
- Perioperative Immunonutrition and Outcomes in Head and Neck Cancer Surgery: A Randomized Clinical Trial (MD-D-24-11195) *Medicine*, **2025**.
- Presence of Alzheimer's Disease Variants in Circular RNA of PSEN1 and PSEN2" for Journal of Alzheimer's Disease (Ms. No. JAD-241295R1) *Journal of Alzheimer's Disease*, **2025**.
- N6-methyladenosine-related lncRNAs have the prognostic predictive ability for patients with Endometrial Cancer (MD-D-24-13116) *Medicine*, **2025**.
- Elucidating Potential Targets and Mechanisms of Ephedra-Aconite in Diffuse Large B-Cell Lymphoma Treatment: A Network Pharmacology and Bioinformatics Approach. (MD-D-24-13435) *Medicine*, **2024**.
- Comparison of immune-related adverse events of nivolumab and pembrolizumab treatment in advanced non-small cell lung cancer in Kosovo: a single-centre prospective study (MD-D-24-10316) *Medicine*, **2024**.
- Ramp Sequence Explains Synonymous Variant Association With Alzheimer's Disease In The Paired Immunoglobulin-Like Type 2 Receptor Alpha (Pilra) (Ms. No. JAD-241079) *Journal of Alzheimer's Disease*, **2024**.
- LEF1 is associated with immunosuppressive microenvironment of patients with Lung adenocarcinoma: a STROBE study (MD-D-24-01899) *Medicine*, **2024**.

- Analysis of the Causal Relationship Between Five Chosen Factors and Early-Onset Alzheimer’s Disease A Mendelian Randomization Study (Ms. No. JAD-240547) *Journal of Alzheimer’s disease*, **2024**.
- Exploring Causal Relationship Between the Lipids, Immune Cells, and Leiomyosarcoma: a Mendelian Randomization and Mediation Analysis (MD-D-24-03943) *Medicine*, **2024**.
- Clinicopathological characteristics and prognostic factors in invasive micropapillary carcinoma of the breast (MD-D-23-06619), *Medicine*, **2024**.
- TICRR as a potential prognostic biomarker for lung adenocarcinoma: A comprehensive analysis using TCGA database (MD-D-23-06066) *Medicine*, **2024**.
- Efficacy and safety of PD-1/PD-L1 immune checkpoint inhibitors in the treatment of recurrent ovarian cancer: A systematic review and meta-analysis (MD-D-24-00628) *Medicine*, **2024**.
- Construction of a potential long noncoding RNA prognostic model involved competitive endogenous RNA for Patients with Gastric Cancer, (MD-D-23-01891) *Medicine*, **2024**.
- The Crosstalk Between Benign Thyroid Disease and Breast Cancer: A Single Center Study (MD-D-23-05656) *Medicine*, **2023**.
- COMMD8 in Human Cancer: Unraveling Its Differential Expression, Prognostic Significance, Functional Traits, and Impact on the Immune Response (MD-D-23-04003) *Medicine*, **2023**.
- Co-treatment with Ionizing Radiation and 2-Thio-6-Azauridine Sensitizes Radioresistant Triple Negative Breast Cancer by Inducing DNA Damage and Apoptosis via Targeting CD151/Caspase3 (DNAREP-D-23-00207) *DNA Repair*, **2023**.
- The Investigation of Cytotoxic and Apoptotic Activity of Cl-amidine on the Human U-87 MG Glioma Cell Line (MD-D-23-09563) *Medicine*, **2023**.
- Peripheral Blood Inflammatory Indexes in Breast Cancer: A review (MD-D-23-07602) *Medicine*, **2023**.
- Big data analysis identified a telomere-related signature predicting the prognosis and drug sensitivity in lung adenocarcinoma (MD-D-23-06187) *Medicine*, **2023**.
- MiR-1297 Represents an Innovative Biomarker in Glioma Detection (MD-D-23-05468) *Medicine*, **2023**.
- Comprehensive Analysis of the Oncogenic and Immunological Role of SPON2 in Human Tumors (MD-D-23-04349) *Medicine*, **2023**.
- Scoliosis and kyphosis among female students: a prevalence and multinational comparative study (MD-D-22-06017) *Medicine*, **2023**.
- Comprehensive Weighted Gene Co-expression Network Analysis and Machine Learning to Identify Potential Key Genes Associated with Alzheimer’s Disease (Ms. No. JAD-230190) *Journal of Alzheimer’s Disease*, **2023**.
- A novel circadian cycle-related gene signature for prognosis prediction of patients with breast cancer (MD-D-23-00835) *Medicine*, **2023**.
- Direct conversion of fibroblast into neurons for Alzheimer’s disease research: a systemic review (Ms. No. JAD-230119) *Journal of Alzheimer’s disease*, **2023**.
- nm23H1 acts as a novel biomarker in the diagnosis of patients with gastric cancer: a systemic review (MD MD-D-22-03262) *Medicine*, **2022**.
- Identify the role of ITGA3 as a key gene in high-grade osteosarcoma regulated by miR-199b-5p and miR-936: a systematic review (MD-D-19-10049) *Medicine*, **2021**.

POSTER/SEMINARS/PRESENTATIONS

- Poster presentation on “ **Adaptive cellular stress signaling limits the efficacy of PARG inhibition**”, in the 56th Environmental Mutagenesis and Genomics Society’s (EMGS) Annual Meeting at Rochester, New York, **September 6-10, 2025**.
- Departmental seminar on “**Targeting metabolic and replication stress crosstalk to treat chemoresistant ovarian cancer**” TTUHSC, Lubbock, TX, **April 7, 2025**.
- Poster and Oral presentation, “ **Targeting metabolic and DNA damage checkpoint induces excessive DNA damage and causes synergistic lethality in GLS^{high}**”

- chemoresistant ovarian cancer cells”** in *Student Research Week 2025*, Texas Tech University Health Sciences Center, Lubbock, TX, **February 26-28, 2025**.
- Podium Presentation on **“Targeting Metabolic and DNA Damage Checkpoint Induces Excessive DNA Damage and Causes Synergistic Lethality in GLS^{high} Chemoresistant Ovarian Cancer Cells”**, in the 55th Environmental Mutagenesis and Genomics Society’s (EMGS) Annual Meeting at Palm Springs, California, **September 7-11, 2024**.
 - Participated in National Institute of Health Virtual Career Symposium for graduate students, postdocs and fellows, **May 14-17, 2024**.
 - Departmental seminar on **“Targeting metabolic and replication stress crosstalk to treat chemoresistant ovarian cancer”** TTUHSC, Lubbock, TX, **March 21, 2024**.
 - Poster and Oral presentation, **“Novel therapeutic strategy targeting PARG and DNA damage checkpoint CHK1 synergistically kill ovarian cancer cells and overcome resistance”** in *Student Research Week 2024*, Texas Tech University Health Sciences Center, Lubbock, TX, **February 28-March 1, 2024**.
 - Poster presentation, **“Novel Approaches in Fluoropyrimidine Therapy for Recalcitrant Colorectal Cancer”** in *Student Research Week 2024*, Texas Tech University Health Sciences Center, Lubbock, TX, **February 28-March 1, 2024**.
 - Poster presentation, **“PARG inhibition augments CHK1 inhibitor-induced replication stress and synergistically kills ovarian cancer cells”** in the AACR Annual Meeting 2023, Orlando, FL, **April 14-19, 2023**.
 - Poster presentation, **“Glutaminase inhibition induces replication stress in ovarian cancer cells and inhibition of replication checkpoint causes synthetic lethality”** in the AACR Annual Meeting 2023, Orlando, FL, **April 14-19, 2023**.
 - Poster and Oral Presentation, **“PARG inhibition synergizes with CHK1 inhibitor-Prexasertib to kill ovarian cancer cells by inducing replication stress”** in *Student Research Week 2023*, Texas Tech University Health Sciences Center, Lubbock, TX, **February 28-March 3, 2022**.
 - Poster presentation, **“Glutaminase inhibition induces replication stress in ovarian cancer cells and inhibition of replication checkpoint causes synthetic lethality”** in *Student Research Week 2023*, Texas Tech University Health Sciences Center, Lubbock, TX, **February 28-March 3, 2022**.
 - Poster presented, **“miRNA-214-5P regulates RAD51, a biomarker for aggressive disease and racial disparities in triple-negative breast cancer”** in the 15th AACR Conference on the Science of Cancer Health Disparities, Philadelphia, PA, **September 16-19, 2022**.
 - Poster presented, **“Identifying novel therapeutic modalities to overcome resistance in ovarian cancer”** in *AAPS 2022 PharmSci 360*, Boston, MA, **October 16-19, 2022**.
 - Poster and Oral presentation **“A novel role of BRIP1 for BRIP1/FANCD1 in Neuronal Cells Health and in Resolving Oxidative Stress-Induced DNA damage”** in *Student Research Week 2022*, Texas Tech University Health Sciences Center, Lubbock, TX, **March 8-11, 2022**.
 - Orally presented, **“RAD51 is a biomarker for aggressive disease and racial disparities in triple-negative breast cancer,”** at the *14th AACR Conference on The Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved*, **October 6-8, 2022**.
 - Literature seminars on
 - **“MYC transcription activation mediated by OCT4 as a mechanism of resistance to 13-cisRA-mediated differentiation in neuroblastoma”**, &
 - **“Molecular pathways driving omeprazole nephrotoxicity”**, TTUHSC, TX, 2021.
 - Research seminar on **“Characterization of the Dual Oxidase’s EF-hand Domain and NADPH Oxidase 5’s Domain-Domain Interaction”**, SIUE, IL, 2020.
 - First literature seminar on **“A designed cell-penetrating human SOCS2 protein suppresses GH-dependent cancer cell proliferation”**, SIUE, IL, 2019.

- Seminar on “**Research and Development for Quality Herbal Formulations**”, Kathmandu, Nepal, **2016**.

**Contributed to several research projects that are presented orally or on posters in several annual conferences/meetings of American Association for Cancer Research, Society of Toxicology, Texas Society of Clinical Oncology, Student Research Week at TTUHSC, TMS etc.*

AWARDS/SCHOLARSHIPS

- **One of the 12 nationwide Phi Kappa Phi Dissertation Fellowship 2025 recipients** awarded by The Honor Society of Phi kappa Phi, based on my superior academic record, life/career ambitions as well as the significance of my original research.
- **Helen Hodges Scholar 2024-25** issued by Helen Hodges Educational Charitable Trust, **November 2024**.
- The **Love of Learning Award** issued by The Honor Society of Phi kappa Phi, **2024** in recognition of my superior academic record and life/career ambitions.
- Merit-based **EMGS Student and Early Career Investigator Travel Award for 2024** to support my attendance and podium presentation in the *Environmental Mutagenesis and Genomics Society's (EMGS) Annual Meeting* at Palm Springs, California, **September 7-11, 2024**.
- **Endowed Phonathon Scholarship**, Student Government Association, Texas Tech University Health Sciences Center, **February 2024**.
- **AACR-Doreen J. Putrah Cancer Research Foundation Scholar-in-Training Award**, at the AACR Annual meeting, **April 14-19, 2023, Orlando, FL**.
- **Honor's List**, The Honor Society of Phi Kappa Phi, Texas Tech University Health Sciences Center Chapter, **March 2023**.
- **Mary Lou Clements-Mann Endowed Scholarship**, GSBS, TTUHSC, **September 2022**.
- **Helen Hodges Scholar 2022-23** issued by Helen Hodges Educational Charitable Trust, **September 2022**.
- **AACR Scholar-In Training Award** supported by National Cancer Institute-Center to Reduce Cancer Health Disparities, at the *15th AACR conference on the science of cancer health disparities in racial/ethnic minorities and the medically underserved*, **September 16-19, 2022**, Philadelphia, PA.
- Award from **Howard Hughes Medical Institute** and **National Institutes of Health**, to participate in The Jackson Laboratory's *31st Annual Short Course on Experimental Models of Human Cancer in Farmington, Connecticut*, **August 14-26, 2022**.
- **Student-Faculty Retreat Scholarship**, GSBS, TTUHSC, **August 2022**.
- “**2022 Dean's Recognition Award**” for conferring degree in the Master of Science in Biotechnology, Texas Tech University Health Science Center, **May 6, 2022**.
- **AACR Student and Early Career Investigator Scholarship (SECIS)** at the *14th AACR conference on the science of cancer health disparities in racial/ethnic minorities and the medically underserved*, **October 6-8, 2021**.
- **GSBS competitive scholarship, TTUHSC 2020**.
- **KU SOS scholarship** (Kathmandu University, **2011-2015**).

INTERNSHIP

SEP 2015 - OCT 2015 *Q-MED Formulation Pvt. Ltd, Bhaktapur, Nepal*

- Training in the manufacturing of solid and liquid formulation, R&D
- Analysis of pharmaceutical formulations (in-process quality analysis and finished product quality control and assurance)

LEADERSHIPS/VOLUNTEERS

- APR 9-10, 2024 • Invited **reviewer** for 2025 Undergraduate Research Conference, TTU, LBK, TX
- AUG 2024-25 • **Secretary**, International Student Organization, TTUHSC, LBK, TX
- MAY 2024-25 • **Co-president**, Earth Conservation Organization, TTUHSC, LBK, TX
- JAN 2024-25 • **Secretary**, Spectrum of Unity (SoU), TTUHSC, LBK, TX
- APR 9-10, 2024 • Invited **reviewer** for 2025 Undergraduate Research Conference, TTU, LBK, TX
- AUG 2023-24 • **Program Ambassador**, Earth Conservation Organization, TTUHSC, LBK, TX
- JUN 2023-
MAY 2024 • **Executive Member**, Student Research Week 2024 organizing committee, TTUHSC, LBK, TX
- MAY 2023-24 • **Secretary**, Global Health Alliance, TTUHSC, LBK, TX
- MAY 2023-24 • **Liaison Officer**, International Student Organization, TTUHSC, LBK, TX
- MAR 27- APR
6, 2023 • Online review and rating of 35 abstracts. Participated as a **judge** for the 18th Annual AACR Undergraduate Student Caucus and Poster Competition (USCPC) during the AACR Annual Meeting 2023 in Orlando, FL on **April 15, 2023**.
- FEB 25-MAR5,
2023 • **Organized, participated, and volunteered**, NSA-TTU Summer Fiesta 2023, LBK, TX
- FEB 28-MAR
3,
2023 • **Volunteer**, Student Research Week 2023, TTUHSC, LBK, TX
- MAR 8-11,
2023 • **Volunteer**, Student Research Week 2022, TTUHSC, LBK, TX
- AUG 2014-
OCT 2015 • **Medical Coordinator**, Kathmandu University Boys Hostel, Nepal
- SEP 2013-JUL
2014 • **Executive Member**, Forum for Pharmacy (FoP), Kathmandu University, Nepal

COMMUNITY PROJECTS

- Community Education Project on “*Screening and Prevention of Chronic Kidney Disease, Hypertension and COPD*” in Jiri, Dolakha, Nepal, **2014**
- Community Education Project on “*Screening and prevention of Non-Communicable Disease (Diabetes and Hypertension)*” in Charikot, Dolakha, Nepal, **2014**

LISCENCE/MEMBERSHIPS

- Member, American Association for The Advancement of Science (60840049)
- Member, Environmental Mutagenesis and Genomics Society
- Member, The Honor Society of Phi Kappa Phi (12739215)
- Member, American Association of Pharmaceutical Sciences (282444)
- Associate member, American Association for Cancer Research (1212442)
- Member, Graduate Student Association, GSBS, TTUHSC
- Registered Pharmacist, Nepal Pharmacy Council (G2188)
- General Member, Nepal Pharmaceutical Association (NPA)
- Life Member, Forum for Pharmacy (FoP)