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**COLLEGE OF GRADUATE HEALTH SCIENCES****ET/D Declaration of Authorship**

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- This work was done wholly or mainly while being a candidate for a terminal degree at the University of Tennessee Health Science Center.
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- I have acknowledged all other main sources of help (e.g., lab assistance, joint work on projects, consultations/discussions with colleagues/experts, funding).
- Where the thesis/dissertation is based on work done jointly with others, I have made clear what I contributed (see next page).

**Student Name:** Mohammad Arifur Rahman      See digital reply with confirmation.

**Advisor Name:** Santosh Kumar      See digital reply with confirmation.

**Declaration of Personal Contributions to Previously Published Articles  
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Articles with several authors incorporated into my ET/D and my contributions to them:

- **Chapter # 1**
- **Citation:** Rahman M. A., Patters B. J., Kodidela S., Kumar S. Extracellular Vesicles: Intercellular Mediators in Alcohol-Induced Pathologies (2019). *J Neuroimmune Pharmacol* (1557-1904). doi: 10.1007/s11481-019-09848-z.
- **My significant contributions:** Conceptualization, Methodology, Validation, Resources, Formal Analysis, Investigation, Data Curation, Writing - Original Draft as well as Review & Editing, Visualization.
  
- **Chapter # 2**
- **Citation:** Rahman M. A., Midde N. M., Wu X., Li W., and Kumar S. Kinetic Characterizations of Diallyl Sulfide Analogs for Their Novel Role as CYP2E1 Enzyme Inhibitors (2017). *Pharmacol Res Perspect*. Oct, 5(5). doi: 10.1002/prp2.362.
- **My significant contributions:** Participated in Research Design, Conducted Experiments, Performed Data Analysis, Wrote the Manuscript [as submitted and accepted by the publisher].
  
- **Chapter # 3**
- **Citation:** Rahman M. A., Gong Y., Kumar S. In Vitro Evaluation of Structural Analogs of Diallyl Sulfide as Novel CYP2E1 Inhibitors for Their Protective Effect Against Xenobiotic-induced Toxicity and HIV Replication (2018). *Toxicol Lett*, 292, 31-38. doi: 10.1016/j.toxlet.2018.04.023.
- **My significant contributions:** Participated in Research Design, Conducted Experiments, Performed Data Analysis, Wrote the Manuscript [as submitted and accepted by the publisher].
  
- **Chapter # 4**
- **Citation:** Rahman M. A., Kodidela S., Sinha N., Haque S., Shukla P.K, Rao R., Kumar S. Plasma Exosomes Exacerbate Alcohol- and Acetaminophen-induced Toxicity via CYP2E1 Pathway (2019). *Sci Rep*, 9(1):6571. doi: 10.1038/s41598-019-43064-2.
- **My significant contributions:** Participated in Research Design, Conducted Experiments, Performed Data Analysis, Wrote the Manuscript [as submitted and accepted by the publisher].

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