Movie 1: The movie shows the droplet splitting phenomena for the flow ratio $\left(R\right)$ of $0.33$ for the various magnetic Bond number under consideration $\left(Bo\_{m}\right)$.

Movie 2: The movie shows the droplet splitting phenomena for the flow ratio $\left(R\right)$ of $0.66$ for the various magnetic Bond number under consideration $\left(Bo\_{m}\right)$.

Movie 3: The movie shows the droplet splitting phenomena for the flow ratio $\left(R\right)$ of $1$ for the various magnetic Bond number under consideration $\left(Bo\_{m}\right)$.

Movie 4: The movie shows the Hump-like structure formation of the magnetic nanoparticles inside the ferrofluid solution in the presence of a magnetic field.

Movie 5: The movie shows the splitting of the isolated ferrofluid droplet in a T-junction for $Bo\_{m}=6.5$.