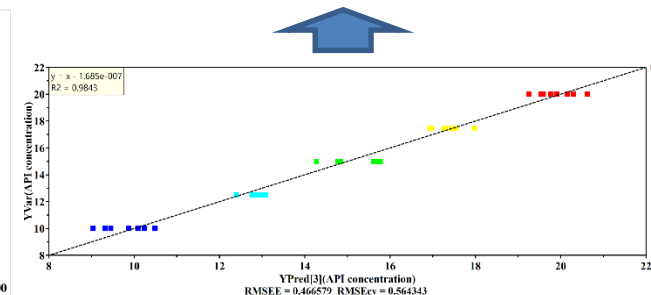
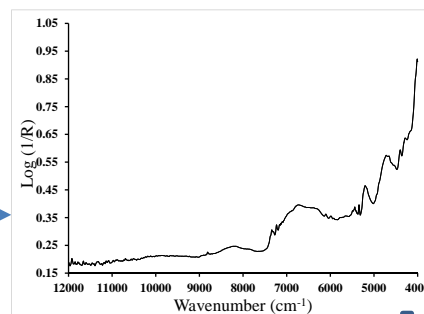
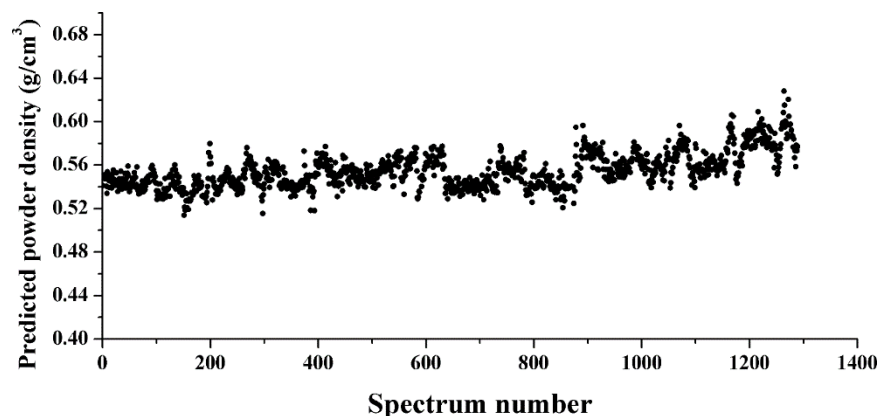
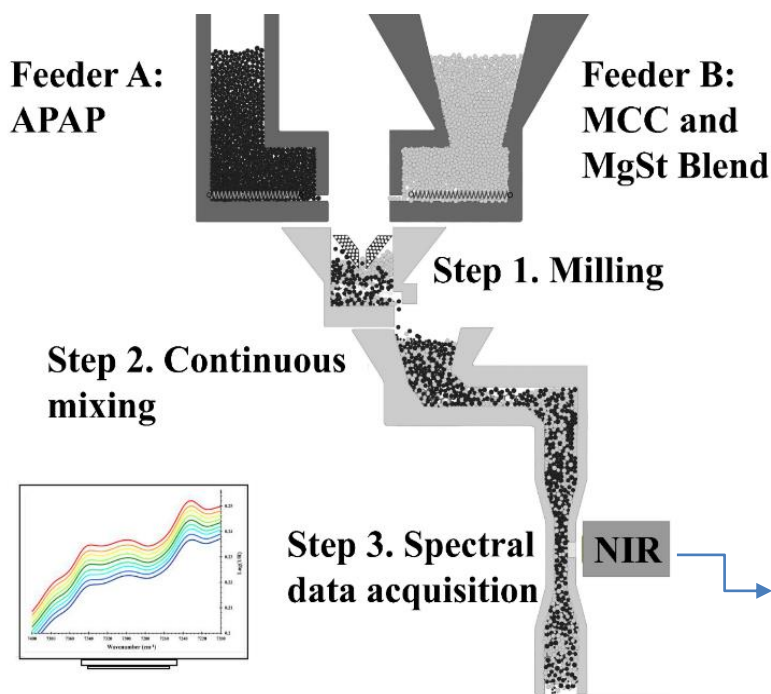




Andrés D. Román-Ospino

- ❖ **Motivation:** Contribute to monitoring and control strategies toward PAT and QbD through spectroscopy based sensors for real time prediction in continuous manufacturing processes.
- ❖ **Goals:** Develop robust calibration models by near infrared spectroscopy using multivariate analysis techniques. Extracting valuable information from continuous processes including the API concentration, powder density, sampling error and dissolution.



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