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I am a PhD student at Pavol Jozef Šafárik University in Košice, Slovakia. My supervisor is prof. Lev Bukovský.

My dissertation thesis is related to an investigation of singular sets of reals. I am interested mainly in those classes of singular sets which possess unconventional behavior of real valued functions defined on them or satisfy unconventional sequence selection principles. The existence of nontrivial sort of them is often undecidable statement in set theory (ZFC).

Some of my results are presented in the following papers:

- Bukovský L. and Šupina J., *Sequence selection principles for quasi-normal convergence,* Topology Appl. **159** (2012), 283–289.

- Šupina J., *wQN spaces and related notions,* Tatra Mt. Math. Publ. **46** (2010), 71–77.