



## MG 114 - F.L.M. Turel Papers

**Dates:** 1952-1974 (inclusive). - 1967-1972 (predominant).

**Extent:** 9 cm [textual material + photographs + negatives].

**Biography:** Franzika L. M. Turel was born in Berlin on 10 January 1924. Her early years witnessed great economic and political upheaval. In 1933 her father, active in left wing politics, fled Germany to Switzerland for political reasons. Franzika and her mother remained in Berlin until she finished high school in 1942. By the end of that year they found themselves in Zurich. Franzika enrolled at the Swiss Federal Institute of Technology (ETH) and began to study biology receiving a doctorate in 1952. Never really at home in Zurich, Dr. Turel and her mother looked for a new home and found one when she was awarded a National Research Council post doctorate fellowship at the Prairie Regional Laboratory in Saskatoon under Dr. G.A. Ledingham. Her NRC work dealt primarily with the physiology plant rusts. It is the development of techniques for growing rust fungi independent of the host that Dr. Turel is best known. After an interlude at the U of S Department of Bacteriology, Dr. Turel joined the faculty of the Department of Biology in 1961. She rose through the ranks from Laboratory Supervisor to Associate Professor and retired in 1991.

**Custodial History:** Donated by H. Gruen of the University of Saskatchewan Department of Biology.

**Scope and Content:** This fonds contains photographs, negatives, notes, reports, abstracts and offprints pertaining to the research activities of F.L.M. Turel.

**Arrangement:** No arrangement has been applied to these files.

*Finding aid created in 2011 by Patrick Hayes. Modified in 2017 by Lisa Carpenter and Stevie Horn to conform to new standards.*

1. "Der Einfluss von Aneurin und Zink auf das Wachstum und die Toxinproduktion von *Fusarium solani* (Mart.) App. et Wr.". (Phytopathologische Zeitschrift, vol. 19 # 3: 307-342, 1952) - Thesis -- 1952.
2. "Plaque formation on monolayers of established human kidney cell in tissue culture using Coxsackie B-3 virus". - National Health and Welfare grant report -- 1959.
3. "Suppression of root development in rust infected pieces of flax cotyledons in tissue culture" - unpublished manuscript. -- 1967. - 2 folders.
4. "Saprophytic growth and sporulation of the flax rust Melampsora lini (Pers.) 1ev., Race #3." - Lecture notes and abstract. - XI International Botanical Congress. --1969.
5. "Saprophytic development of the flax rust Melampsora lini, Race #3." (Canadian Journal of Botany, vol. 47: 821-823, 1969). - Manuscript, original plates and correspondence. -- 1969.
6. "Histology of infections and spoulation by saprophytic cultures of Melampsora lini inoculated into flax cotyledons in sterile culture." (Canadian Journal of Botany, vol. 50 # 1: 227-230, 1972). - Manuscript, original plates, negatives, reviewers comments and correspondence. -- 1972. - 2 folders.
7. "Growth of the flax rust Melampsora lini on chemically defined media" (Canadian Journal of Botany, vol. 51 # 1:131-134, 1973). - Manuscript, original plates, reviewers comments and correspondence. -- 1973.
8. F. Turel, Biol. 226A Rust research, biochem. studies *Melampsora lini* Research Book 1 unpublished. -- Research notes, original plates and negatives. -- 1973-1974.