
ANNALES
UNIVERSITATIS MARIAE CURIE – SKŁODOWSKA
LUBLIN – POLONIA

VOL. L II. 1

SECTIO A

1998

Eligiusz J. Złotkiewicz – A Biography

Eligiusz Jan Złotkiewicz was born on Nov. 6, 1937 in a small town of Frampol some 80 km south of Lublin. His father Leon ran a flour-mill and his mother Stanisława was a house-wife. On Sept. 3, 1939 the town was heavily bombed by Luftwaffe. His younger brother was killed, the family lost everything but what they were wearing that day. During the years of WW2 the family kept moving from one place to another looking for a job and housing. After the war they ultimately settled in a village near Biłgoraj where they were given a house and a piece of land.

E. Złotkiewicz began his education by entering a high school in Puławy. He got the maturity diploma from a high school in Biłgoraj in 1955. Then he passed admission examinations and became a student of mathematics at Maria Curie-Skłodowska University in Lublin. In 1959 he started working on his MS thesis under supervision of Mieczysław Biernacki to complete it, after Biernacki's death under supervision of Zdzisław Lewandowski. In 1960 he was employed as an assistant at the Department of Mathematics of UMCS. There, in 1965, he presented his PhD thesis written under supervision of Jan Krzyż and was promoted to the position of a lecturer at the Department. In 1971 he got a scholarship from IREX to spend six months at the University of Michigan in Ann Arbor, USA. At that period he attended seminars led by F. W. Gehring and P. L. Duren, collaborated with M.O. Reade and visited several US universities giving there colloquium talks.

Having returned to Lublin he presented the so called habilitation paper and got the tenure. At present he is a full professor of mathematics and a deputy chairman of the Department of Mathematics at UMCS.

E. Zlotkiewicz has published, so far, about 50 papers in various journals in Europe and America, supervised six PhD theses and about 200 students got MS in mathematics from him. He is a reviewer for Zentralblatt für Mathematik and Mathematical Reviews. He was awarded for his work by getting the Medal of the Committee of National Education and the Chevalier Cross of Polonia Restituta Order.

E. J. Zlotkiewicz was a chairman of the Department of Mathematics in the periods 1972-73 and 1981-83 and the dean of the Faculty of Physics, Mathematics and Chemistry in the years 1976-1980, 1988-1990. He spent three academic years (1974/75, 1980/81 and 1984/85) as a visiting professor at the University of Delaware, Newark, Delaware, collaborating with R. Libera and two years at the University of Istanbul, Istanbul, Turkey collaborating with Y. Avci. They have published many joint papers.

The following persons received their doctorates under Eligiusz Zlotkiewicz direction

1. Józef Miazga
2. Anna Szynal
3. Maria Nowak
4. Janusz Godula
5. Janusz Kaptur
6. Wiesława Drozda

E. J. Zlotkiewicz is married. His wife Bożenna is a psychiatrist. They have two daughters - Joanna and Dorota both married, and two grand children.

His hobbies - history, tourism and chess.

ANNALES
UNIVERSITATIS MARIAE CURIE – SKŁODOWSKA
LUBLIN – POLONIA

VOL. LII. 1

SECTIO A

1998

List of publications

- [1] Zlotkiewicz, E., *On a variational formula for starlike functions*, Ann. Univ. Mariae Curie-Skłodowska Sect. A **15** (1961), 111-118.
- [2] Zlotkiewicz, E., *Subordination and convex majorants*, Folia Soc. Lub. **2** (1962), 97-99.
- [3] Zlotkiewicz, E. and Z. Lewandowski, *Variational formulas for meromorphic and univalent functions in the unit disc*, Bull. Polish Acad. Sci. **12** (1964), 253-254.
- [4] Zlotkiewicz, E. and Z. Lewandowski, *On the domain of variability of the second coefficient for a class of meromorphic, univalent functions*, Bull. Polish Acad. Sci. **13** (1965), 21-25.
- [5] Zlotkiewicz, E. and Z. Lewandowski, *Variational formulas for meromorphic and univalent functions in the unit disc*, Ann. Univ. Mariae Curie-Skłodowska Sect. A **17** (1963).
- [6] Zlotkiewicz, E., Z. Lewandowski and M.O. Reade, *On a certain condition for univalence*, An. Științ. Univ. Al. I. Cuza Iași Sect. I a Math. **11** (1965), 119-123.
- [7] Zlotkiewicz, E., *Sur les domaines des valeurs de certaines fonctionelles dans la classe U_p* , Ann. Univ. Mariae Curie-Skłodowska Sect. A **18** (1964), 73-83.
- [8] Zlotkiewicz, E., *Some remarks concerning close-to-convex functions*, Ann. Univ. Mariae Curie-Skłodowska Sect. A **21** (1967), 47-51.
- [9] Zlotkiewicz, E., *Some remarks concerning meromorphic and univalent functions*, Ann. Univ. Mariae Curie-Skłodowska Sect. A **21** (1967), 53-61.
- [10] Zlotkiewicz, E. and J. Krzyż, *Koebe sets for univalent functions with two preassigned values*, Ann. Acad. Sci. Fenn. Math. **487** (1971).
- [11] Zlotkiewicz, E. and M.O. Reade, *On univalent functions with two preassigned values*, Proc. Amer. Math. Soc. **30** (1971), 539-544.
- [12] Zlotkiewicz, E. and M.O. Reade, *Koebe sets for univalent functions with two preassigned values*, Bull. Amer. Math. Soc. **77** (1971), 103-105.
- [13] Zlotkiewicz, E. and K. Goebel, *Some fixed point theorems in Banach spaces*, Colloq. Math. **23** (1971), 103-106.

-
- [14] Zlotkiewicz, E., *The region of variability of the ratio $f(a)/f(b)$ within the class U_p* , Ann. Univ. Mariae Curie-Sklodowska Sect. A **24** (1970), 201-208.
- [15] Zlotkiewicz, E. and M.O. Reade, *On the roots of the equation $f(z) = pf(a)$* , Ann. Univ. Mariae Curie-Sklodowska Sect. A **24** (1970), 151-153.
- [16] Zlotkiewicz, E. and M.O. Reade, *On the equation $f(z) = pf(a)$ in certain classes of analytic functions*, Mathematica **13** (1971), 281-286.
- [17] Zlotkiewicz, E. and M.O. Reade, *On values omitted by univalent functions with two preassigned values*, Compositio Math. **24** (1971), 151-158.
- [18] Zlotkiewicz, E., *On some extremal problems in the theory of univalent functions*, (in Polish) UMCS Lublin, 1972.
- [19] Zlotkiewicz, E., P. Mocanu and M.O. Reade, *On Bazilevic Functions*, Proc. Amer. Math. Soc. **39** (1973), 173-174.
- [20] Zlotkiewicz, E., Z. Lewandowski and S. Miller, *Generating Functions for some classes of univalent functions*, Proc. Amer. Math. Soc. **56** (1976), 111-117.
- [21] Zlotkiewicz, E., Z. Lewandowski and S. Miller, *Gamma Starlike Functions*, Ann. Univ. Mariae Curie-Sklodowska Sect. A **30** (1976).
- [22] Zlotkiewicz, E. and R. Libera, *Loewner type approximation for convex functions*, Colloquium Math. **36** (1976), 143-151.
- [23] Zlotkiewicz, E. and R. Libera, *Loewner type approximation for spiral functions*, Proc. Conf. at Brocport New York, Marcel Decker, 1976.
- [24] Zlotkiewicz, E., Z. Lewandowski and R. Libera, *Values assumed by Gelfer functions*, Ann. Univ. Mariae Curie-Sklodowska Sect. A **31** (1977), 75-84.
- [25] Zlotkiewicz, E., K. Cerebież-Tarabicka and J. Godula, *On a class of Bazilevic functions*, Ann. Univ. Mariae Curie-Sklodowska Sect. A **33** (1979), 46-57.
- [26] Zlotkiewicz, E., J. Krzyż and R. Libera, *Coefficients of Inverse regular starlike functions*, Ann. Univ. Mariae Curie-Sklodowska Sect. A **33** (1979), 103-109.
- [27] Zlotkiewicz, E. and M. Fait, *A variational method for Grunsky functions*, Ann. Univ. Mariae Curie-Sklodowska Sect. A **34** (1980), 9-17.
- [28] Zlotkiewicz, E. and R. Libera, *Early coefficients of the inverse of a regular convex function*, Proc. Amer. Math. Soc. **85** (1982), 225-229.
- [29] Zlotkiewicz, E. and R. Libera, *Coefficient bounds for the inverse of a function with derivative in P* , Proc. Amer. Math. Soc. **87** (1983), 251-257.
- [30] Zlotkiewicz, E. and R. Libera, *Mapping properties of a class of univalent functions with preassigned zero and pole*, Ann. Pol. Math. **40** (1983), 283-290.
- [31] Zlotkiewicz, E., M. Reade and P. Mocanu, *On the functional $f(z_1)/f(z_2)$ for typically real functions*, Rev. Anal. Numér. Théor. Approx. **3** (1974), 209-214.
- [32] Zlotkiewicz, E. and J. Krzyż, *Two remarks on typically real functions*, Ann. Univ. Mariae Curie-Sklodowska Sect. A **30** (1976), 57 - 61.
- [33] Zlotkiewicz, E. and M. Fait, *Convex hulls of some classes of univalent functions*, Ann. Univ. Mariae Curie-Sklodowska Sect. A **30** (1976), 35-41.
- [34] Zlotkiewicz, E., *Coefficient bounds for inverses of odd univalent functions*, Complex Variables Theory Appl., 1980, 21-23.

-
- [35] Zlotkiewicz, E., *On coefficients of inverse univalent functions (in Polish)*, Folia Scientiarum Universitatis Resoviensis **16** (1984), 59-71.
- [36] Zlotkiewicz, E. and R. Libera, *The coefficients of the inverse of an odd convex mapping*, Rocky Mountain J. Math. **15** (1985), 677-683.
- [37] Zlotkiewicz, E., R. Libera, *Behaviour of coefficients of inverse of α - spiral functions*, Canad J. Math. **38** (1986), 1329-1337.
- [38] Zlotkiewicz, E., R. Libera, *Bounded univalent functions with Montel Normalization*, Ann. Univ. Mariae Curie-Skłodowska Sect. A **40** (1986), 125-129.
- [39] Zlotkiewicz, E. and R. Libera, *Bounded Montel Univalent functions*, Colloq. Math. **56** (1988), 169-177.
- [40] Zlotkiewicz, E., R. Libera, *Bounded univalent functions with two fixed values*, Complex Variables **9** (1987), 1-14.
- [41] Zlotkiewicz, E. and R. Libera, *Bounded functions with symmetric normalization*, Ann. Univ. Mariae Curie-Skłodowska Sect. A **42** 1988, 69-77.
- [42] Zlotkiewicz, E., R. Libera, *A property of convex mappings*, Ann. Univ. Mariae Curie-Skłodowska Sect. A **36** (1982), 97-99.
- [43] Zlotkiewicz, E. and M. Nowak, *A remark on a paper by M.S. Robertson*, Zeszyty Nauk. Politech. Lubelskiej Mat. **8** (1988), 55-59.
- [44] Zlotkiewicz, E. and R. Libera, *On coefficients of inverse regular starlike functions*, Amer. Math. Monthly **99** (1992), 49-50.
- [45] Zlotkiewicz, E. and Y. Avci, *On harmonic univalent mappings*, Ann. Univ. Mariae Curie-Skłodowska Sect. A **44** (1990), 1-7.
- [46] Zlotkiewicz, E., Y. Avci, *On typically real functions*, Ann. Univ. Mariae Curie-Skłodowska Sect. A **50** (1996), 17-24.
- [47] Zlotkiewicz, E. and Y. Avci, *On univalent functions with three preassigned values*, Turkish J. Math. **21** (1997), 15-23.
- [48] Zlotkiewicz, E., *Lectures on Mathematical Analysis*, (Polish), Wydawnictwo UMCS, 1997.

