On the sixtieth birthday of Associate Professor Emil C. Popa

Dumitru Acu

Associate Professor dr. Emil C. Popa has made important contributions in the Theory of Approximation. He is a mathematician of great influence; he has a continuities relevance in Mathematical Analysis, Umbral Calculus, Real Functions and Inequalities.

Emil C. Popa was born on March 4, 1945, in Caracal, Romania. After finishing secondary school in Caracal, he studied at the University of Bucharest, Faculty of Mathematics - Mechanics, from which he received a master's degree in Mathematics in 1969.

In the same year ha was named teacher at the High-School of Agnita, working at the various high-schools till 1990.

For five years (1978 - 1982) he was lecturer (temporary) of Faculty of Mechanics, Sibiu.

In 1990 he became lecturer at the Department of Mathematics from "Lucian Blaga" University of Sibiu.

In 1998 he obtained the degree of Doctor of Mathematics (Ph. D.) at the "Babeş-Bolyai" University of Cluj-Napoca. His thesis, entitled "*Contributions to the umbral calculus*", was written under the direction of the professor Alexandru Lupaş.

Between 1990 and 2005 he worked at the University "Lucian Blaga" of Sibiu, where he advanced (2002) to the rank of associate professor at the Department of Mathematics.

In 2002 he has been elected chairman of the Chair of Mathematics I of the Department of Mathematics, Faculty of Sciences.

He is member of the Romanian Mathematical Society and of the ASTRA Association (1992).

Since 2002 he is member of the editorial board of "General Mathematics" and since 2004 he is chief coeditor of the "Mathematical Education".

His publication list contains about 47 items (4 books and 43 original papers and notes).

List of Mathematical Publications
of Associate Professor dr. Emil C. Popa

I. List of Books

1. Elements of Umbral Calculus, Ed. "L. Blaga" Univesity of Sibiu, 1999, p. 105, ISBN 973-9410-48-0.
2. Linear Algebra, Ed. "L. Blaga" University of Sibiu, 2000, p. 130, ISBN 973-651-102-2
3. Umbral calculus and approximation operators, Ed."L.Blaga" University of Sibiu, 2005, in press
4. Introduction in the linear algebra and its applications, Ed."L.Blaga"University of Sibiu,2005, in press.

II. List of Papers

1. Sur quelques criteres dscillation pour les equations differentielles lineaires du second ordre, Revue Roum. de Math. Pures et Appl. No.1, 1981, vol. 26, p.135-138

2. On a class of linear differential equations, G.M.-A, No.1, 1982, p. 64-66

3. On a Schur's conjecture, Gen, Math., No.1, 2(1994), p.71-77

4. An injective morphism of linear spaces, Gen. Math., No.3, 2(1994) p. 169-172

5. On a group of polynomial sequences, Gen. Math., No.1-2, 1995, p. 13-18

6. A certain class of linear operators, Revue d'Analise Numerique et de Theorie de l'Aproximation, TOME 26, No.1-2, 1997, p. 185-190

7. Linear operators of Abel type, Bull. Math. de la Soc. des Sci. Math. de Roum., Vol. 40(88), No.1, 1997, p. 27-31.

8. Generalization of the Pincherle derivative , Proceedings of the Seventh Symposium of Mathematics and its Applications, Timisoara, Research Center of the Romanian Academy and "Politehnica" University of Timişoara, Nov. 6-9, 1997, p. 195-198

9. Note on Sheffer polynomials, Octogon, Mathematical Magazine, Vol. 5, No.2, 1997, p. 56-57

10. On a normed liniar space, Acta Universitatis Cibiniensis XI(1), 1997, p. 75-77

11. Inequalities Related with Carlson's Inequality (together with S. Bârza, Lulea University, Sweden), Tamkang Journal of Mathematics, Tamsui, Taiwan, Vol. 29, No.1, 1998, p. 59-64

12. On the Sheffer polynomials, Buletinul Ştiinţific al Universităţii Politehnice Timişoara, Ser. Math-Fiz, TOM 43 (57), 1998, Fasc. 1, p. 21-23.

13. On a subgroup of binomial polynomials, Proceedings of the third Romanian-German Seminar on Aproximation Theory, Sibiu, June 1-3, 1998,

p. 57-58.

14. On a class of delta operators, Proccedings of the annual meeting of the romanian society of mathematical sciences, Cluj-Napoca, 27-31 mai, 1998, p. 195-1999.

15. Q-umbral operators, Acta Universitatis Cibiniensis, Vol. XI(2), 1998, p. 62-63.

16. Contributins to finite operator calculus, Doctoral thesis, University Babes-Bolyai Cluj Napoca, 1998, p. 103.

17. Contributions to the umbral calculus Ed. L. Blaga University of Sibiu, 1998, p. 27.

18. On the sequences of binomial type, Gen, Math. Vol. 7, No.1-4, 1999, p.107-110.

19. Note on some basic polynomials, Gen. Math., 2000, Vol. 8, No.3-4, p. 67-71

20. Note on a delta-operator, Gen. Math. Vol. 8, No.1-2, 2000, p. 79-82.

21. Some properties of Q-umbral operators, Buletin stiintific al Universitatii "Politehnica", Timisoara, TOM 45 (59), 2, Mat-Fiz, 2000, p. 52-54

22. On Schur's expansion of sin x, Gen. Math. Vol. 8, No.3-4, 2000, p. 45-47

23. Some properties of two linear operators, Univ. Beograd, Publ. Elektrotehn. Fak., Yugoslavia, Ser. Mat. 12 (2001), p. 41-47,

24. On a class of approximation operators, Procedings of the ninth symposium of mathematics and its applications, Romanian Academy and Politehnica" University of Timisoara, nov. 1-4, 2001, p. 127-131.

25. Note on a class of delta operators, Gen. Math. Vol.9, No.1-2, 2001, p. 49-52.

26. On some approximation operators, Annals of the West University of

Timisoara, Ser. Mat-Inf, vol XI, Fasc. 2 (2002), p. 97-105

27. Note on some approximation operators, Proceedings of the International Symposium on Numerical Analysis and Approximation Theory, Cluj Napoca, mai 9-11, 2002, p. 411-417

28. On the rate of convergence of certain approximation operators - Gen. Math. Vol 10, No.1-2, 2002, p. 85-89

29. Sheffer polinomials and approximation operators, Tamkang Journal of Mathematics, Tamsui, Taiwan, Vol. 34, No. 2, June 2003, p.117-127.

30. Remarks on some approximation operators, Proceedings of the sixth annual conference of the romanian society of mathematical sciences, Sibiu, 23-25 may, 2002, p. 177-183

31. A note on the rate of convergence of a linear approximation process, Procedings of the tenth international symposium of mathematics and its applications, Romanian Academy and "Politehnica" University of Timisoara, 6-9 nov. 2003, p. 498-503

32. Continuity properties relative to the intermediate point in a mean value theorem, Gen. Math. 2004, (to appear)

33. A certain class of approximation operators, Mathematical Inequalities & Applications, Zagreb,Croatia,2005.(to appear)

34. Approximation properties for a certain class of positive linear operators, Facta Universitatis(Nis) Series: Mathematics and Informatics, submitted

III. Publications in Didactics of Mathematics

1. On the problem 16.113 of Mat.Gaz.-M.G. 9, 1977. in romanian, p 346-349

2. On a diophantian equation, M.G. 1, 1979, in romanian, p. 5-7

3. A generalization on a problem for mathematical olympiad, M.G.7, 1979, in romanian, p. 272

4. On a geometric inequality, M.G.7, 1982, in romanian, p. 256-257

5. On a mean value theorem, M.G.4, 1989, in romanian, p. 113-114

6. A property for intermediary point in some mean value theorems, Astra Matematica, Vol. 1, No.4, 1990, in romanian, p. 3-7

7. The metod of substitution for indefinite and definite integrals, Astra Matematica, Vol. 1, No.1, 1990, in romanian, p.16-22

8. Matrices and recurrent sequences, Astra Matematica, Vol.1, No.2, 1990, in romanian,p. 26-27

9. On a property of the intermediary point "c" from some theorems of average, MGB/1994,p.138-145

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