

Happy Anniversary, Professor Ph.D. Tatiana Eugenia ŞESAN!



The time is irreversible sending us, sometimes too fast, up to different directions. This is a reason for a short stop during *The Big Passing*, even for few minutes. We have to give our thanks to a personality as special as she is. She opens new directions to knowledge for many generations. She honoured this profession through her devotion, hard and good work, respect, perseverance and her principles. **Professor Ph.D. Tatiana Eugenia ŞESAN** represents an example for many people who work together with her. At the same time, she is a real mentor for many young disciples who are all around and following her with love and respect.

Tatiana Eugenia FRĂŢILESCU, named ŞESAN after her marriage, was born in Bucharest, on 12th January 1944, under Capricorn sign. In 1950, she started to study at Central Girls School in Bucharest, near The Garden of Icon, where she has been educated by an elite of many important teachers. She graduated in 1961 with school-leaving examination.

In the autumn of the same 1961, she started her university education at University “Alexandru Ioan Cuza” from Iaşi - Faculty of Biology. She obtained her university diploma at Bucharest University in 1966. Both in high-school and university, she assimilated lots of scientific knowledge at a high level because of many special teachers and professors from the domain of biological sciences. All of them were true spiritual mentors for her, distinguished personalities, very important persons for students who came to learn at Faculty of Biology because of their passions.

She started the activity as preparator at Pedagogical Institute from Bacău – Faculty of Natural and Agricultural Sciences. After a while, she has been promoted as following: preparatory (1966-1970), assistant-lecturer (1970-1974) at Pedagogical Institute from Bacău, microbiologist (1974-1975) at The Milk Industrialization Factory from Bucharest, biologist in Mycology Team of Phytopathology Laboratory from Research Institute for Plant Protection (I.C.P.P.). During three decades at I.C.P.P. Bucharest, she was promoted as following: scientific researcher (CS) (1975-1989), similar with assistant-lecturer from university hierarchy, scientific researcher III (1989-1990), scientific researcher II (1990-1993) and scientific researcher I (1993-present).

Beginning with 2004, she is scientific researcher I at Research Centre MICROGEN from Bucharest University. Starting with 1990, she was back at university career as associate-professor at Bucharest University – Faculty of Biology, where she was responsible for Phytopathology course and practical-training. Afterwards, she was responsible for Mycology course, and, since 2004 she is Professor PhD for Mycology and Phytopathology at Bucharest University – Faculty of Biology.

She prepares teaching activities very carefully for many domains as follow: *Botany* (vegetal taxonomy, morphology and plant anatomy, plant physiology), *Biochemistry*, *Plant Protection*, *Technical for Teaching Materials Preparing for Biological Disciplines*, *Pedagogical Training*, *Agricultural and Biological Training* at Pedagogical Institute from Bacău, then *Phytopathology / Biology of Vegetal Pests*, *Researching Activity* for some Bachelor's and Dissertation papers, *Mycology*, first of all as associate-professor and, after

that, as Professor PhD at Botany Department from Bucharest University – Faculty of Biology. She was invited as lecturer at two important universities (Tanta and Alexandria) from Egypt (2003), where she presented conferences concerning to *Biological Control of Plant Diseases*.

She consulted many Romanian and foreign references and she is connected all the time to the scientific world. She followed many training-stages at Genetics Department (Cytogenetics) and Systematic Botany Department from Bucharest University. Afterwards, she followed many stages, during three and six months, for documentation and work at national and international scientific projects (Holland, 1993; 1995; 2000, project EU BIOSPORSUPPRESS 33 00003.2).

During the last ten years, she has been working at scientific research projects RELANSIN 29 (manager), RELANSIN 1463, BIOTECH 121 and 272 (manager), CALIST, CEEX 38, CEEX 43, CEEX 75, CEEX 183, awarded through a national competition. Now, she is working at a few other scientific projects as follow: IDEI 1931 (manager), Project PN II-51078 (collaborator) and as member in International Programs ERASMUS and COST action 870.

During scientific career, she coordinated many scientific activities of young people through her practical-training handbooks, university and post-graduated courses; conferences for students from Agricultural Sciences and Veterinary Medicine University from Bucharest concerning both from Plant Protection or Plant Pathology Domains; she was responsible for researching-training of students from BIOTERRA University from I.C.P.P. Bucharest (2001); she was scientific coordinator for many dissertation papers of students from Master level, methodical and scientific papers elaborated by teachers from high-schools. All these students obtained maximum evaluation for them. She was requested as member in analysis team for foreign scholarships competitions and recommendations. She help all of us with lots of scientific references from Romanian and foreign literature etc.

Since 2000, she became scientific coordinator for Doctoral Program, in Natural Sciences Fundamental Domain, Biology Domain at Bucharest University – Faculty of Biology. She coordinates scientific activities for 15 doctoral students who are in different stages of their Scientific Preparing Program. Up to now, three PhD thesis were graduated under her guidance (one of them has been realized together with specialists from France), a post-PhD scientific paper (scholarship for a PhD from Senegal, during *Eugen Ionescu* Scholarship Program), and three PhD thesis presented inside of the Department which will have the public presentation in 2010. In the same time, she was requested as scientific referent for much than 20 PhD theses from other universities.

Mrs. Professor PhD Tatiana Eugenia ŞESAN is focusing her interest to many domain as follow: *Botany* (vascular plants, especially ruderal and segetal plants, with 2 taxa from vascular plants and 8 rare taxa for Moldavian Flora; 85 new taxa and 38 rare taxa for Bacău District; 21 taxa included into *Flora Exsiccata of Moldavia and Dobrogea*); *Biological and Biotechnological Study Concerning to Antagonistic Fungi*, *Biological Agents for Control of Plant Diseases*, *Introduction of Biological Elements Used for Plants Diseases and Weeds in Integrative Protection Systems of Cultures Against Diseases, Pests and Weeds*; *Pathology of Cultivated Plants*; *Seeds, Plantlets and Biological Material Pathology* (bean, soy-bean, peas, grey-pea, sugar-beet, conifers, vine); *Forestry Protection, Seed Pathogens and Coniferous Plantlets*; *Signals for Pathogens / Antagonistic Fungi / New Hosts*; *Diseases Spreading Evaluation for Cultivated plants from Romania*, she continued the work of Prof. PhD Tr. Săvulescu; *Researches Concerning to General and Applied Mycology*; taxonomy and phylogeny of fungi, mycodiversity, preservation of

macromycetes diversity inside of natural ecosystems and agro-ecosystems diversity, elements of molecular biology (fungi in Genomic Era); *Researches concerning to mycotoxicology*, mycotoxines produced by main micromycetes genera and their impacts on people and animals health; *Microbiology / Medical Mycology; Researches Concerning to Cultural Inheritance Preservation; Biological and Biotechnological of Cultivated Mushrooms; Personalities and Scientific Events from Botany Domain, Plant Protection, Phytopathology, Mycology, Biological Control of Plant Diseases, Reviews* (for some scientific books).

From her many scientific activities, the one referring to antagonistic fungi and their usage for integrative preservation against plant diseases represents the most important domain for her scientific recognition. Her PhD thesis titled ***Biological Study Concerning to Antagonistic Fungi Against Pathogens Which Produce Plant Mycosis (1985)*** was included in the same domain. Through this subject, she was recognized as a pioneer of these kinds of studies together with important members of Romanian Phytopathology School founded by Acad. PhD Tudorel Baicu and PhD Vera Bontea (PhD Program Coordinator). In the same domain were been included more than 70% from her papers and books, three of them awarded very important distinctions.

The entire scientific activity includes a huge quantity of personal and original scientific results. Her scientific contributions were published up to now as follow: 19 books (1 chapter published abroad); more than 310 scientific contributions and 3 invention patents (two of them homologated – 1999, 2009 – ISI mentioned and the last one which will be homologated – 2009) (<http://www.bio.unibuc.ro/~tsesan/index.html>).

Her scientific papers were published in 41 Romanian reviews/volumes, as follow: *Romanian Agricultural Research, Romanian Archive of Microbiology and Immunology*, ISI quoted and in 23 reviews/volumes, as follow: *IOBC (International Organisation of Biological Control) Bulletin, Journal of Food Protection (ISI) (Journal of International Association of Food Protection), Phytopathologica (Israel), Phytopathologia Polonica, Bulletin of Polish Academy of Sciences, Acta Immunologica et Microbiologica Hungarica (ISI), Acta Horticulturae (Journal of International Society for Horticultural Science)* etc.

As an official argument for her appreciation, many of her scientific papers are mentioned both in the country and outside. With this special occasion, 83 from her scientific papers are mentioned abroad in 142 other scientific papers (*Dictionary of Fungi*, IXth, Xth eds., CABI, UK, 2001, 2008) and 17 of them are mentioned in 64 very important Romanian scientific papers and books. Besides, 7 scientific papers and 2 invention patents are ISI quoted and most of them are mentioned in The International Data Basis for Scientific Papers.

The most mentioned paper in Romania has been *Agricultural Phytopathology* (1996). It was mentioned in 22 other books from this domain, followed by a monograph titled *Sclerotinia sclerotiorum* (1998) which was been mentioned by 6 times.

Written books were been appreciate by academic community and they received good references in few very important reviews. The most important appreciations were published about the monograph titled *Sclerotinia sclerotiorum* (1998), which was analyzed and presented in 8 reviews, 2 of them in BDI (UK) and Hungary and 6 analyze in Romanian reviews.

As an official recognition for her scientific activity, 4 of her 19 published books were distinguished with important awards: *Tr. Săvulescu Award of Romanian Academy* (1988) received in 1991, for the scientific papers titled “*Bolile plantelor industriale. Prevenire și combatere*”, Ed. Ceres, Bucharest, 1988, authors: Lucreția Dumitraș and Tatiana Șesan; *Tr. Săvulescu Award of Romanian Academy* (1998) received in 2000, for

the scientific papers titled “*Putregaiul alb – Sclerotinia sclerotiorum – Prevenire și combatere*”, Ed. Ceres, Bucharest, 1998, authors: Tatiana Eugenia Șesan and Aurelia Crișan, ISBN 973-40-0427-1; *M. I. Constantineanu* Award of Ecosanogenesis Association from Romania, received in 1999, for scientific paper “*Limitarea populațiilor de dăunători vegetali și animalii din culturile agricole prin mijloace biologice și biotehnice în vederea protejării mediului înconjurător*” (collab.), Ed. DISZ TIPO – Brașov, 1997, ISBN 973-97290-7-x; *Emanoil Teodorescu* Award of Romanian Academy for 2006, received in 2008, for book titled “*Concepte actuale în taxonomia ciupercilor*”, Ed. University *Al.I. Cuza Iași* (collab. with C. Tănase), ISBN 973-703-156-3; ISBN (13) 978-973-703-144-0. Some other awards received by her are as follow: Diploma for Research Contract CEEEX 38/2005 from Bucharest University on 7th of October (2006); Certificate of Award, *Who's who*, Personenencyklopädien AG, Switzerland (2009).

She is corresponding member Academy of Agricultural Sciences and Forestry, corresponding member of Scientists Academy of Romania – Biology Section and member of some important national professional organizations and societies: National Society for Plant Protection, National Society of Mycology, Society for Biological Sciences, Ecosanogenesis Association from Romania (founding member, 1996), Phytosociology Society from Romania (2005), Friends of Roses (2007), Associations of Botanical Gardens from Romania (2008), Society of Mycology from Czech Republic (1998); Phytopathology Society from Poland (1999); International Organization for Biological Control of Noxious Animals and Plants, Working group Biological Control of Fungal and Bacterial Plant Pathogens (2002); EMA (European Mycological Association - 2006). Since 2006, she is vice-President of National Society of Mycology. She is one of the founding members of this professional association and, through her scientific activity, contributing to its permanent development.

She was invited as guest at many international congresses organized in: Denmark, Holland, Turkey, Poland, Great Britain, Czech Republic, Greece, Switzerland, Austria, Israel, Hungary, France, Spain, Taiwan, south Africa, Russia. She was scientific reviewer in many important reviews from biology domain, as follow: *Mycological Research* (Great Britain), *Phytoparasitica* (Israel), *Phytopathologia Polonica* (Poland), *Biologia* (Slovakia) and editors committee of some Romanian reviews (*Buletinul de Protecția Plantelor*, *Analele ICPP/ICDPP București*, *Plant Research Development*). She was both collaborator for the reviews *Sănătatea plantelor* (Romania) and *Phytopathologia Polonica* (Poland). She was invited as member in organization boards for many scientific meetings for specialists from Mycology and Phytopathology domains in Romania and Poland.

The art of taking photos has no secrets for her. And, because of that, it became a certain hobby for Professor PhD Tatiana Eugenia ȘESAN. Through the magic eye of the camera, she registered all special moments of our lives and scientific activities, special landscapes and imagines. All these photos were published, after 2001, in few exhibitions of artistic photography (*Curcubeul florilor*; *Taina florilor*; *Anotimpuri*; *Plantele – știință și metaforă*; *Prin ochiul magic al naturii*) and exhibitions of mycological photography (*Ciupercile între viclenie și adevăr I and II*; *Un univers insolit – ciupercile*; *Ciuperci lignicole*).

The 65th anniversary represents a special moment both for Professor PhD Tatiana Eugenia ȘESAN's life and the entire academic community. All of us want to wish her “Happy anniversary and that all her wonderful dreams become true!”

Cătălin TĂNASE, Ciprian BÎRSAN

SELECTIVE LIST OF REPRESENTATIVE WORKS

I. BOOKS

1. **Şesan Tatiana**, 1986, *Ciuperci cu importanță practică în combaterea biologică a micozelor plantelor. Trichoderma viride Pers. ex S. F. Gray* [*Fungi with practical importance in biological control of plant mycoses. Trichoderma viride Pers. ex S. F. Gray*], Red. Prop. Tehn. Agr., Buc., 67 pp., 15 pl.
2. Baicu T., **Şesan Tatiana Eugenia**, 1996, *Fitopatologie agricolă* [*Agricultural Plant Pathology*], ISBN 973-40-0372-0, Ed. Ceres, Buc., 316 p., 100 fig.
3. **Şesan Tatiana Eugenia**, Crişan Aurelia, 1998, *Putregaiul alb al plantelor de cultură (Sclerotinia sclerotiorum). Prevenire și combatere* [*White rot of cropped plants. (Sclerotinia sclerotiorum). Prevention and control*], Ed. Ceres, Bucureşti, ISBN 973-40-0427-1, 288 pp., 29 fig., 20 pl.
4. **Şesan Tatiana Eugenia**, 2003, *Sustainable management of gray mold (Botrytis spp.) of horticultural crops*, în H. G. Huang & S. N. Acharya (Editors), *Advances in Plant Diseases Management*, Research Signpost, 37/661 (2), Fort P.O., Trivandrum-695 023, Kerala, India, ISBN: 81-7736-191-0, pp. 121-152
5. Tănase C., **Şesan Tatiana Eugenia**, 2006, *Concepte actuale de taxonomie a ciupercilor* [*Actual concepts in the fungal taxonomy*], Ed. Universităţii Al. I. Cuza Iaşi, 510 pp., ISBN 973-703-156-3; ISBN (13) 978-973-703-144-0
6. **Şesan Tatiana Eugenia**, Tănase C., 2007, *Ciuperci anamorfe fitopatogene* [*Anamorph phytopathogenic fungi*], Ed. Univ. Bucureşti, 265 pp., ISBN 978-973-737-360-1
7. **Şesan Tatiana Eugenia**, Tănase C., 2009, *Fungi cu importanță în agricultură, medicină și patrimoniu* [*Fungi with importance in agriculture, medicine and patrimony*], Ed. Univ. Bucureşti, 305 pp., ISBN 978-973-737-677-0

II. PAPERS PUBLISHED IN ROMANIAN JOURNALS

8. **Şesan Tatiana**, Iliescu H., Csép N., Craiciu Mihaela, Ivancea Valeria, 1986, *Mijloace biologice de prevenire și combatere a unor micoze la floarea soarelui și bumbac* [*Biological means of prevention and control of sunflower and cotton mycoses*], *Probl. Prot. Plant.*, **XIV** (3): 183-198
9. **Şesan Tatiana**, Crişan Aurelia, 1988, *Cercetări de biologie asupra ciupercii Coniothyrium minitans Campbell - specie hiperparazită nou semnalată în România* [*Researches on the biology of C. minitans Campbell – fungal hyperparasitic species newly recorded in Romania*], *St. și Cerc. Biol., Biol. Veget.*, **40** (2): 71-77
10. **Şesan Tatiana**, Baicu T., 1993, *New aspects of the biology of the hyperparasitic fungus Coniothyrium minitans Campbell*, *Rev. Roum. Biol., Biol. Végét.*, **38**(1): 131-138
11. **Şesan Tatiana Eugenia**, Tăut I., 1998, *Micoflora din semințele și plantulele de conifere* [*Mycobiota from the conifer seeds and seedlings*], *Revista Pădurilor*, anul **113**(1): 7-16 + coperta 2-3
12. **Şesan Tatiana Eugenia**, 2005, *Coniothyrium minitans – biocontrol agent against sclerotium-forming plant pathogens*, *Contribuții Botanice*, **XL**: 267-279

13. **Şesan Tatiana Eugenia**, Köhl J., Molhoeck Wilma M.L., 2008, *Ulocladium atrum* Preuss – biological control agent of grey mould (*Botrytis cinerea* Pers.) of cropped plants, *Analele Şt. ale Universităţii "Al. I. Cuza" Iaşi* (serie nouă), LIV (1): 78-91

III. PAPERS PUBLISHED IN FOREIGN JOURNALS

14. **Şesan Tatiana**, Podosu Aurelia, 1993, *Investigations on prevention of grapevine grey mould (Botrytis cinerea Pers.) in Romania by using the fungus Trichoderma viride Pers. ex S. F. Gray*, *IOBC/SROP Bulletin*, **16** (11): 238- 241
15. **Şesan Tatiana**, Csép N., 1995, *Investigations on Coniothyrium minitans and Trichoderma spp. to control diseases of industrial crops caused by Sclerotinia sclerotiorum*, *IOBC wprs Bulletin*, **18** (3): 26-33
16. Ciurdărescu Mirela, **Şesan Tatiana Eugenia**, Oltean Elena, 1997, *Electrophoretic analysis of some Trichoderma viride isolates and mutants*, *Molecular Approaches in Biological Control*, Delémont (Elveţia), 15-18 septembrie 1997; *IOBC wprs Bulletin*, **21**(9): 189-194
17. **Şesan Tatiana Eugenia**, Oprea Maria, Podosu Cristescu Aurelia, Tică C., Oancea F., 1999, *Biocontrol of Botrytis cinerea of grapevine with Trichoderma spp. and Saccharomyces chevalieri*, *Bulletin of Polish Academy of Sciences, Biological Sciences*, vol. **47**(2-4), 197-205
18. **Şesan Tatiana Eugenia**, Oprea Maria, 1999, *Influence of antagonistic micromyceta from phyllosphere on the main pathogens of apricot-trees*, *Acta Horticulturae* (ISHS), **488**: 705-709
19. **Şesan Tatiana Eugenia**, 2002, *In vitro biological action of pesticides on Trichoderma viride*, *IOBC wprs Bulletin*, **25**(10): 415-418
20. **Şesan Tatiana Eugenia**, Constantinescu Florica, Andrei Ana Maria, Kupferberg Simona, Dinu Sorina, 2002, *In vitro relationships between microorganisms used as biocontrol agents*, *IOBC wprs Bulletin*, **25**(1): 345-348
21. **Şesan Tatiana Eugenia**, Oancea F., Petrescu Andreea, Constantinescu Florica, Dinu Sorina, 2005, *Efficacy of complex bioproducts from Pleurotus waste substratum with nourishing and protective activity to ecological crops*, *Phytopathologia Polonica*, **38**: 45-50
22. **Şesan Tatiana Eugenia**, 2006, *Integrated control of strawberry diseases*, *Phytopathologia Polonica*, **39**: 133-148
23. Tabuc Cristina, Marin Daniela, Guerre P., **Şesan Tatiana** & Bailly J.D., 2009, *Mold and mycotoxins content of cereals in Southeastern Romania*, *Journal of Food Protection*, **72**(3): 662-665

IV. OMOLOGATED INVENTIONS

24. Baicu T., **Şesan Tatiana**, Oancea F., 1998, *Compoziții microbiologice pentru tratarea semințelor pe bază de Trichoderma sp.* [*Microbiological compositions for the seed treatments based on Trichoderma sp.*], brevet de invenție nr. 113.103 din 31. 03. 1998
25. Oancea F., **Şesan Tatiana**, Constantinescu Florica, Dinu Sorina, Petrescu Andreea, 2009, *Compoziție pentru creșterea și dezvoltarea plantelor* [*Composition for the plant growth and development*], patent act no.: 122588 din 30.09.2009



First year of study (practical in Bârnova Forest, Iași, 1962)



Pedagogical Institute from Bacău (botanical practical with students, 1974)



The XIVth Conference on field culture protection, Podul Iloaiei (Iași), 1986



3rd IOBC / EFPP Workshop *Biological Control of Sclerotia-forming pathogens* – HRI, Wellesborne, Warwickshire, UK, 1994



Symposium *Biodiversity in European Plant Pathology at the turn of the centuries*, Poznan (Poland), 1999



3rd International Symposium on *Rhizoctonia*, University of Taichung, Taiwan, 2000