Europass Curriculum Vitae	
Personal information	
Surname(s) / First name(s)	**ANGHEL Dan-Florin**
Address(es)	[redacted]
Telephone(s)	+4021.666.59.65; Mobile: [redacted]
Fax(es)	-
E-mail	[redacted]; adan@icf.ro
Nationality	Romanian
Date of birth	[redacted]
Gender	Male
Occupational field	**Colloid chemistry and materials science**
Work experience	
Dates	**2021 – Present**
Occupation or position held	Voluntary Senior Scientific Researcher in Colloid Chemistry and Materials Science, 'Ilie Murgulescu' Institute of Physical Chemistry, Bucharest Romania.
	1990 – 2021
Occupation or position held	Senior Scientific Researcher I, Head of Colloid Laboratory
Main activities and responsibilities	Surfactant micellization and solubilization, polymer-surfactant systems, fluorescently labeled polymers (FLP), effect of external stimuli on FLP, associative polymers, polyelectrolyre multilayers, emulsion, micro- and nanoemultions, metallic and semiconductor nanoparticles, surfactant partition between nonmiscible phases, biodiesel, phase diagrams and thermodynamics of surfactants. Project Manager.
Name and address of employer	Institute of Physical Chemistry "I. Murgulescu", Romanian Academy, Laboratory of Colloids, No.202, Splaiul Independetei Bvd., District 6 , Post Code 060021, Bucharest, Romania
Type of business or sector	Research Organization - Institute of Romanian Academy
Dates	**1989-1990**

Occupation or position held	Senior Scientific Researcher II, Head of Laboratory
Main activities and responsibilities	Micellar and phase transfer catalysis, surfactant micellization and solubilization, polymer-surfactant systems, effect of surfactants on biological membranes. Project Manager
Name and address of employer	Institute of Physical Chemistry “I. Murgulescu”, Romanian Academy, Department of Colloids, No.202, Splaiul Independetei Bvd., District 6 , Post Code 060021, Bucharest, Romania
Type of business or sector	Research Organization – Ministery of Chemical Industry
Dates	**1980-1989**
Occupation or position held	Senior Scientific Researcher III, Project leader
Main activities and responsibilities	Microemulsions for enhanced oil recovery, chemical products for soil compactness and glaze prevention, emulsions and microemulsions for polymer synthesis. Project Manager
Name and address of employer	Center of Physical Chemistry, Central Institute of Chemical Research, Spl. Independentei 202, Bucharest Romania
Type of business or sector	Research Organization – Ministery of Chemical Industry
Dates	**1973-1980**
Occupation or position held	Researcher, Project leader
Main activities and responsibilities	Microemulsions for enhanced oil recovery, surfactant selective electrodes, superplastifiers for cement and concrete, chemicals for glaze prevention. Project Manager
Name and address of employer	Center of Physical Chemistry, Central Institute of Chemical Research, Spl. Independentei 202, Bucharest Romania
Type of business or sector	Research Organization – Ministery of Chemical Industry
Dates	**1969-1973**
Occupation or position held	Researcher
Main activities and responsibilities	Microemulsions for enhanced oil recovery, surfactant selective electrodes, superplastifiers for cement and concrete, pesticide formulation. Member of research team
Name and address of employer	Center of Physical Chemistry, Central Institute of Chemical Research, Spl. Independentei 202, Bucharest Romania
Type of business or sector	Research Organization – Ministery of Education
Education and training	

Dates	**1972 - 1980**
Title of qualification awarded	Doctor in Physical Chemistry
Principal subjects/occupational skills covered	Colloid Chemistry
Name and type of organisation providing education and training	Romanian Ministery of Education
Dates	**1964 - 1969**
Title of qualification awarded	Chemist
Principal subjects/occupational skills covered	Organic Chemistry
Name and type of organisation providing education and training	Romanian Ministery of Education
Other language(s)	**English; French**

Self-assessment	**Understanding**				**Speaking**				**Writing**	
European level (*)	Listening		Reading		Spoken interaction		Spoken production			
English	C2	Proficient User	C2	Proficient User	C2	Proficient User	C2	Proficient User	C2	Proficient User
French	C1	Proficient User	C1	Proficient User	C1	Proficient Use	C1	Proficient User	C1	Proficient User

(*) Common European Framework of Reference for Languages

Social skills and competences	Very good social skills, excellent in collaboration with co-workers and superior staff.
Organizational skills and competences	Very good organizational skills, excellent manager, competent team leader.

Technical skills and competences	Surfactant micellization and solubilization, polymer-surfactant systems, fluorescently labeled polymers (FLP), effect of external stimuli on FLP, associative polymers, polyelectrolyte multilayers, emulsions, micro- and nano-emulsions, surfactant partition between non-miscible phases, metallic and semiconductor nanoparticles, self-sintering conductive inks, hydrophobization of surfaces, biodiesel, phase diagrams and thermodynamics of surfactants, micellar and phase transfer catalysis, effect of surfactants on biological membranes, chemical products for soil compactness and glaze prevention, emulsions and microemulsions for polymer synthesis, microemulsions for enhanced oil recovery, surfactant selective electrodes, superplastifiers for cement and concrete.
Computer skills and competences	Good computer skills (Microsoft Windows; Excel; PowerPoint, Origin, etc.)
Other skills and competences	Elaboration and coordination of research & development projects
Driving license	B
Additional information	Dr. Anghel is a member of Romanian Chemical Society, European Colloid and Interface Society, International Association of Colloid and Interface Scientists, German Colloid Society, and is an expert of the United Nations Industrial Development Organization (UNIDO). Dr. Anghel has published a book with Springer and eight book chapters in Romania (4), the USA (2) and India (2). He holds about 180 scientific papers in ISI journals, has presented more than 200 papers at national and international meetings, has 8 Romanian patents, 3 technologies applied in Romanian oil and chemical industry, 42 technical reports to grants with Romanian industry, 26 Romanian grants and 9 foreig grants [EU funded project INFRANANOCHEM for Infrastructure (1), Ontario Center for Materials Research – Canada (1), Swedish Science Foundation (2), Deutsche Forschungsgemeinschaft (3), Deutscher Akademischer Austausch Dienst (1), and Max Planck Society (1)]. Dr. Anghel was awarded with the 'Ilie Murgulescu' prize of the Romanian Academy. He is included in Hübners Who is Who Outstanding Intelectuals of the 21st Century, in Leading Scientists of the World (International Biographical Centre, Cambridge, UK), and in the Dictionary of the successful people in Romania (2015). Dr. Anghel is currently reviewer to Romanian and foreign ISI scientific journals, and his Hirsch index is 27.
Annexes	List of scientific contributions

Annex 1.

Scientific papers (Selected list)

1. M Ioan, **DF Anghel**, M Anastasescu, IC Gifu, E Alexandrescu, RI Matei, et al., Hybrid materials based on ZnO nanoparticles and organo-modified silica coatings as eco-friendly anticorrosive protection for metallic historic artifacts, *Coatings* 13 (7), 1193, **2023**, Impact factor = 2,9.
2. M Ioan, **DF Anghel**, IC Gifu, E Alexandrescu, *et a*l., Novel microemulsions with essential oils for environmentally friendly cleaning of copper cultural heritage artifacts, *Nanomaterials* 13 (17), 2430, **2023**, Impact factor = 4,4.
3. A Iovescu, G Stîngă, A Băran, AR Leontieș, ME Maxim, **DF Anghel**, Insights into BSA-micellar carrier-drug systems using pyrene excimer, *Colloid and Polymer Science*, 301, (9), 1061-1076, **2023**, Impact factor = 2,2.
4. G Stîngă, A Băran, A Iovescu, ME Maxim, **DF Anghel**, Metal ions recognition by pyrene labeled poly (acrylic acid), *Journal of Molecular Liquids* 365, 120135, **2022**, Impact factor = 6,0.
5. L Vlaia, I Olariu, AM Muț, G Coneac, V Vlaia, **DF Anghel**, ME Maxim, *et al.*, New, biocompatible, chitosan-gelled microemulsions based on essential oils and sucrose esters as nanocarriers for topical delivery of fluconazole, *Pharmaceutics* 14 (1), 75, **2021**, Impact factor = 6,3.
6. L Aricov, AR Leonties, IC Gîfu, D Preda, A Raducan, **DF Anghel**, Enhancement of laccase immobilization onto wet chitosan microspheres using an iterative protocol and its potential to remove micropollutants, *Journal of Environmental Management* 276, 111326, **2020**, Impact factor = 6,8.
7. A. Băran, G. Stîngă, **D.F. Anghel**, F. Brânzoi, Micellar size changing in the systems of octaethylene glycol mono(n-dodecyl) ether without and with poly(acrylic acid) *Journal of Molecular Liquids*, 284, **2019**, 709-717. Impact Factor = 4,5.
8. G. Stîngă, A. Băran, A. Iovescu, L. Aricov, **D.F. Anghel**, Monitoring the confinement of methylene blue in pyrene labeled poly(acrylic acid), *Journal of Molecular Liquids*, 273, **2019**, 125-133. Impact Factor = 4,.5.
9. I.C. Gîfu, M.E Maxim, A. Iovescu, L. Aricov, A.R. Leontieș, M. Anastasescu, C.M. Ninciuleanu, E. Alexandrescu, **D.F. Anghel**, 'Water-repellent glass by hydrophobically modified poly(acrylate)-surfactant complexes and silica', *Revue Roumaine de Chimie*, 63, **2018**, 475-480. Impact Factor = 0,.4.
10. E.L. Vasilescu, M. Balcan, G. Stîngă, A. Băran, I.C. Văcărești eanu, L. Aricov, **D.F. Anghel**, 'A micellar decontamination strategy for removal of polycyclic aromatic hydrocarbons from environment', *Environmental Engineering and Management Journal*, 17, **2018**, 2813-2821. Impact Factor = 1,3
11. L. Aricov, A. Băran, G. Stîngă, E.L. Simion, I.C. Gîfu, **D.F. Anghel**, V. Rădițoiu, Formation and hosting properties of polyacrylate–surfactant complexes, *Colloid and Polymer Science*, 295, **2017**, 1017–1038. Impact Factor = 1,.9.
12. E.L. Simion, G. Stîngă, A. Iovescu, A. Băran, **D.F Anghel,** Ageing of fluorescent and smart naphthalene labeled poly(acrylic acid)/cationic surfactant complex, *Colloids and Surfaces A*, 527, **2017**, 81–88. Impact Factor = 2,.7.
13. A. Băran, A. Iovescu, M. Gosecka, G. Stîngă, S. Peretz, T. Basinska, S. Slomkowski, M. E. Maxim, **D. F. Anghel**, Peculiarities of linear and hyperbranched polyglycidols in water and

aqueous surfactant solutions, *European Polymer Journal*, 94, **2017**, 162–172, Impact Factor = 3,.5

14. I.C. Gîfu, M.E. Maxim, A. Iovescu, L. Aricov, E.L. Simion, A.R Leonties, M. Anastasescu, C. Munteanu, D.F. Anghel. Natural aging of multilayer films containing hydrophobicallymodified poly(acrylate)s or their complexes with surfactants,*Applied Surface Science*, 412, **2017**, 489–496. Impact Factor = 3,.1.
15. L. Aricov, A. Băran, E.L. Simion, I.C. Gîfu, **D.F. Anghel**, V.V. Jerca, D.M. Vuluga, New insights into the self-assembling of some hydrophobically modified polyacrylates in aqueous solution, *Colloid and Polymer Science*, 294, **2016**, 667–679. Impact Factor = 1,9.
16. G. Stîngă, A. Băran, A. Iovescu, **D.F. Anghel**, Self-aggregation of the pyrene labele poly(acrylic acid) in nanoscopically crowded environments, *Journal of Photochemistry & Photobiology, A: Chemistry*, 328, **2016**, 33–41. Impact Factor = 2,.5.
17. E.L. Simion, G. Stîngă, A. Băran, L. Aricov, I.C. Gîfu, **D.F. Anghel**, Smart borax complexes starting from anionic surfactant in association with unlabeled or fluorescently labeled poly(acrylic acid)s, *Colloid and Polymer Science*, 294, **2016**, 927–939. Impact Factor = 1,.9.
18. G. Stingă, M. E. Maxim, A. Iovescu, D. E. Mihăiescu, A. Băran, A. R. Leontieș, Marieta Balcan, **D. F. Anghel**, NRET - A rapid method to investigate the water-oil interface in reverse micellar systems, *Journal of Molecular Liquids*, 214, **2016**, 283–292. Impact Factor = 2,7.
19. I.C. Gîfu, M.E. Maxim, A. Iovescu, E.L. Simion, L. Aricov, M. Anastasescu, C. Munteanu, **D.F. Anghel**, Surface hydrophobization by electrostatic deposition of hydrophobically modified poly(acrylates) and their complexes with surfactants, *Applied Surface Science*, 371, **2016**, 519–529. Impact Factor = 3,1.
20. L. Aricov, H. Petkova, D. Arabadzhieva, A. Iovescu, E. Mileva, K. Khristov, G. Stîngă, C.F. Mihailescu, **D.F. Anghel**, R. Todorov, Aqueous solutions of associative poly(acrylates): Bulk and interfacial properties, *Colloids and Surfaces A*, 505, **2016**, 138–149. Impact Factor = 2,8.

Bucharest,

Signature: