

**Curriculum vitae**  
**ALBERTO JULIO NUÑEZ SELLES**  
**Havana, Cuba (April 12, 1950)**



**1. STUDIES**

Institution	Place	From	To	Degree
Polytech. Institute of Chemistry	Cuba	1966	1970	Analytical Chemist
Faculty Chemistry, Univ. Havana	Cuba	1971	1975	Bachelor Chemistry
School "Abraham Lincoln"	Cuba	1973	1975	Russian Language
Faculty Languages, Univ. Havana	Cuba	1979	1980	German Language

**2. DEGREES & POSTGRADUATE STUDIES**

Institution	Place	From	To	Degree or Certificate
Natl. Scientif. Res. Centre (CENIC)	Cuba	1978	1978	Gas Chromatograph.
CENIC	Cuba	1978	1978	Statistics Experimental Design
CENIC	Cuba	1979	1979	Mass Spectrometry
CENIC	Cuba	1979	1980	Marxist Philosophy
Inst. Anal. Chemistry, Acad. Sci. Tchechoslovakie	Brno, CSSR	1982	1985	Ph.D. Chemistry
Inst. Food & Nutrition, CIVO/TNO	Zeist, NL	1983	1984	Fellow, Food Preservation
Ministry Science, Technol. & Env.	Cuba		1992	Senior Researcher
Naciones Unidas (PNUD)	Cuba	1990	1990	Marketing
Ministry of Economy & Planning	Cuba	1992	1992	Accounting
Ministry of Public Health	Cuba	2003	2003	Health Administration
			2007	Senior Professor
University of Havana	Cuba		2007	Doctor in Sciences

**3. JOB POSITIONS**

Institution	Place	From	To	Position
Polytech. Institute of Chemistry	Cuba	1970	1971	Organic Chemistry Teacher
		1972	1974	Chair, Organic Chemistry & Analysis
		1975	1977	Vicedirector
CENIC	Cuba	1978	1980	Researcher, Natural Products & Organic Synthesis
		1981	1982	Head, Dept. Nuclear Techniques
		1983	1985	Ph.D. Studies
		1986	1988	Head, Dept. Analytical Chemistry
Ministry of Public Health	Cuba	1988	1989	Investment Manager
Center of Pharmac. Chemistry	Cuba	1990	2008	General Director
Biol. & Pharmaceut. Labs.	Cuba	2009		Senior Adviser

#### 4. NATIONAL PROJECTS

Title	Place	From	To	Main activity & Results
Curriculum Design of Technical Degrees in Chemistry	Cuba	1971	1976	Studies Programmes: Analytical Chemist, Industrial Chemist & Chemistry Teacher. (4 Textbooks)
Organic Synthesis from Main Components of Cuban Essential Oils	Cuba	1978	1980	Synthesis of carvone, ionones and derivatives. Column fractionation of essential oils. (6 sci. articles)
Food Preservation by Cobalt-60 Gamma Irradiation	Cuba NL	1981	1985	Development of food irradiation technologies. Detection of radiolytic compounds on potato, onion, garlic, poultry feed & citrus fruits. (10 sci. articles). Ph.D. Thesis.
Anti – Dopping Control of Athletes by GC/MS Techniques	Cuba	1982	1986	Athletes Urine Analysis for the Detection of Forbidden Substances (Centroamer. Games)
New Techniques & Methodologies for Trace Organic Analysis	Cuba	1984	1988	Development of new techniques for the isolation and detection of organic substances at trace concentrations (1 Sci. Book & 8 articles)
Diagnosis of Hereditary Diseases by Modern Techniques	Cuba	1986	1988	Development of new techniques for the diagnosis of metabolic disorders: PK, Acidosis, Ataxia, etc. (2 sci. articles)
National Program for the Development of Pharmaceutical Products	Cuba	1990	1998	Design, planning and supervision of around 100 R&D Projects of pharmaceuticals. General Manager
Scale up and technology transfer of biotechnological and pharmaceutical products	Cuba	1991	1998	Project Leader. Evaluation of 70 technologies of bio and pharma products. Organization of 3 Internatl. Workshops
Synthesis and Development of bismuth salts for therapeutic applications	Cuba	1992	2005	Project Coordinator. Sanitary registration of 2 pharmaceutical products. 1 Monograph.
Synthesis and development of disodium lobenzarit for rheumatoid arthritis	Cuba	1992	2003	Project Coordinador. Sanitary registration of 1 pharmaceutical product. 1 Monograph.
Synthesis of new cephalosporanic antibiotics	Cuba	1994	2003	Project Coordinator. Technologies of 4 new cephalosporines (Lab scale)
Exploration of Cuban flora for medical applications	Cuba	1996	2006	Project Leader. Database of 320 endemic species. Definition of 4 species to be developed as anti-viral drug candidates.
New experimental methodologies and evaluation of drug candidates as anti-angiogenic products	Cuba	2002	2007	Project Coordinator. 1 Patent.
National Program for the Development of Health Natural Products	Cuba	1995	2008	Design, planning and supervision of around 60 R&D Projects of Phytopharmaceuticals
Development and Applications of a New Natural Health Product Derived from Mango Stem Bark Extract (VIMANG)	Cuba	1996	2008	Development of a new line of natural products derived from Mango extracts. 2 Patents. More than 60 sci. articles. Dr.Sc. Thesis.

## 5. INTERNATIONAL PROJECTS

Title	Partner	From	To	Position
Microplant of Antibiotics by Fermentative Technology	UNDP/UNIDO (CUB/86/009)	1988	1991	Technical Director
Chemical Synthesis of Drugs	Inst. Organic Chem., Riga, Latvia, USSR	1989	1991	Co – Director
Industrial Plant of Antibiotics by Fermentative Technology	UNDP/UNIDO (CUB/91/001)	1992	1997	Technical Director
Pharmaceutical Techniques & Quality Control	UNDP (CUB/91/007)	1992	1997	Technical Director
Research & Development of New Drugs	ALFA – EU (Project B1) Coordinator: Spain	1995	1996	Country Director
Drugs Pharmaceutical Chemistry	ALFA – EU (Project B1) Coordinator: Spain	1997	1998	Country Director
Microencapsulation of Antibody Hybridomes for Drug Delivery	AECI (Spain), University of the Basque Country	1998	1999	Co – Director
Pharmaceutical Chemistry of Antibiotics	Catholic Univ. Leuven, Belgium	1996	2006	Co – Director
Natural Products of Pharmacological Interest	Univ. Chile, Chile	1997	2000	Co – Director

Exchange Collaboration between the Cuban and American Chemical Societies	American Council of Social Sciences, USA	1998	2000	Co – Director
Human Resources in Chemical Engineering	ALFA – EU (Projects B1 and B2) Coordinator: France	2000	2008	Country Director
Human Resources in Pharmaceutical Technology	FOCAD (Basque Country, Spain)	1999	2000	Co – Director
Pharmaceutical Technology of Controlled Drug Delivery	University of Sevilla, Spain	1998	2006	Co – Director (several Projects)
Latin American Plants as Source for Nutraceuticals	IUPAC (Project 2005 – 031 – 2 – 700)	2005	2007	Country Representative

## 6. PATENTS

1. Núñez – Sellés AJ, Paez E, Amaro D, Acosta J, Agüero J, Capote R, Garcita MR, Morales I, Garcia O, Martines G, Morales MA. “Pharmaceutical Compositions and Nutritional Supplements from *Mangifera indica* L. Extract” Patent CU22486 AI, Havana, Cuba, 2002. (spanish).
2. *Ibid.* Patent WO2000/038699, Lausanne, Switzerland.
3. *Ibid.* Patent CIPO CA 2358013, Ottawa, Canada, 2003.
4. Delgado R, Rodríguez J, Lemus Y, Oejo O, Núñez – Sellés AJ. Application 2003 – 0104, OCPI. “Parenteral Formulation from the Aqueous Sterile Extract of *Mangifera indica* L. with Antiangiogenic Activity” (Spanish)
5. Patent CA 2358013, Canadian Intellectual Property Office “Compositions obtained from *Mangifera indica* L.”

## 7. PUBLICATIONS & SCIENTIFIC MEETINGS

### 7.1 BOOKS

1. Núñez Sellés AJ (Ed) "Organic Chemistry" Polytechnical Institute of Chemistry, Havana, Cuba, 1972. 315 pp (spanish). (3 editions)
2. Núñez Sellés AJ "Practices in Organic Chemistry. Experiments" Polytechnical Institute of Chemistry, Havana, Cuba, 1973. 112 pp. (spanish) (3 editions)
3. Núñez Sellés AJ "Introduction to Organic Analysis" Editorial Pueblo y Educación, Havana, Cuba, 1978. 272 pp. (spanish) (8 editions)
4. Núñez Sellés AJ "Organic Chemistry Nomenclature. Programmed Learning" Editorial Pueblo y Educación, Havana, Cuba, 1985. 128 pp. (spanish).
5. Núñez Sellés, AJ. "Analysis of Trace Organic Volatiles by Capillary Gas Chromatography" Editorial Científico – Técnica, La Habana, 1989. 300 pp. (spanish)
6. Núñez Sellés, AJ "Chemistry" in Fidel Castro Díaz Balart (Ed) "Cuba: Dawn of the Third Millenium". Editorial Debate, Madrid, España; Editorial Científico – Técnica, Havana, Cuba, 2003. p. 191 – 202 (spanish)
7. G. Pardo Andreu, R. Delgado Hernández, G. Garrido Garrido, A.J. Núñez Sellés. "*Mangifera indica* L. extract (Vimang) protection against iron-induced damage to mitochondria and 2 – deoxyribose. Potentialities for the treatment of iron – overload related diseases" in Z. Ahmed, A. Dar (Eds.) "Advances in Natural Products. Importance to Health and Economy" Daya Publ., New Delhi, 2008. Ch. 13, p. 97 – 121
8. Garrido G, Martínez G, Pardo G, García D, Hernández P, Rodeiro I, Guevara M, Delgado R, Núñez Sellés AJ "Recent Advances in R&D of an Aqueous Stem Bark Extract Obtained from *Mangifera indica* L." in A. Capasso (Ed.) *Recent Developments in Medicinal Plant Research* Research Signpost, N. York, USA, 2008. pp. 193 – 216.
9. Núñez Sellés AJ (Ed) "The Challenge of Antioxidant Therapy" Editorial Científico-Técnica, La Habana, 2008. 350 pp. (spanish)
10. Núñez Sellés, AJ. "The Light of Other Day" Editora Política, Havana, Cuba, 2008. 90 pp. (spanish)
11. Núñez Selles, AJ, Rastrelli L. "Chemical Composition of the Mango Stem Bark Extract (*Mangifera indica* L.)" in V.J. Gupta (Ed.) *Researches in Bioactive Naural Products*, Plenum Press, NY (in press).
12. Nuñez Sellés, AJ, Garrido Garrido G. "The Challenges of Antioxidant Therapy with Natural Products" in V.J. Gupta (Ed.) *Researches in Bioactive Natural Products* Plenum Press, NY (in press)
13. Núñez Sellés, AJ. "Natural Health Products" in J. Nriagu (Ed.) *Enciclopedy of Environmental Health* Elsevier, Amsterdam (in press)

### 7.2 SCIENTIFIC ARTICLES

1. Núñez – Selles AJ, Tapanes Peraza R. "Synthesis of limonene derivatives: Carvone" *Journal CENIC, Chemical Sciences* 12/2: 207 – 17, 1981. (spanish).
2. Núñez – Selles AJ "Ways for the use of furfural in the synthesis of furane derivatives" *Cubazucar*, April/June, 7 – 15, 1981. (spanish).
3. Núñez – Selles AJ, Rosado A, Magraner J, Rodríguez C, Montejo L. "Study of the Synthesis of Methylionone Isomers. I. Synthesis of Pseudomethylionones by Condensation of Citral to Mehylethylketone" *Journal CENIC, Chemical Sciences* 15: 197 – 206, 1984. (spanish).
4. Núñez – Selles AJ, Magraner J, Rosado A, Vélez H, Montejo L, Pérez B. "Ibid. II. Synthesis of Methylionones by Pseudomethylionone Cyclization with Several Acids" *Journal CENIC, Chemical Sciences* 15: 207 – 17, 1984. (spanish).
5. Núñez – Selles AJ, González L, Janak J. "Preconcentration of headspace volatiles for trace organic analysis by gas chromatography" *Journal of Chromatography* 300:127 – 162, 1984.
6. Núñez – Selles AJ, Tesarik K. "The use of Aerosil (200 and R – 972) in the preparation of SCOT columns" *Journal of Chromatography* 284: 235 – 237, 1984.
7. Núñez – Selles AJ, Bemelmans JMH. "Recoveries from an aqueous model system using a micro-SDE procedure" *Journal of Chromatography* 294: 361 – 365, 1984.

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9. Núñez – Selles AJ “Gamma irradiation effects on physiological, physicochemical and flavour properties of grapefruit” Report No. A – 84/081/230923, CIVO – TNO, Netherlands, 1984. 62 pp.
10. Núñez – Selles AJ, Maarse H, Bemelmans JMH. “Volatile flavour components of grapefruit juice (*Citrus paradisi* Mcfadyen)” *Journal of Science in Food and Agriculture* 36/8: 757 – 763, 1985.
11. Núñez – Selles AJ, Iglesias I, Magraner J. “Headspace Components of *Allium* species preserved by Co – 60 Gamma Irradiation” *Journal CENIC, Chemical Sciences* 16: 285 – 8, 1985. (spanish)
12. Pozo R, Alvarez M, Núñez – Selles AJ, Granado R. “Effect of the Storage Time on Poultry Feed Lipids” *Journal CENIC, Chemical Sciences* 16:153 – 6, 1985. (spanish)
13. Núñez-Selles AJ, Maarse H. “Headspace methods for the volatile components of grapefruit juice” *Chromatographia* 20/1: 49-54, 1986.
14. Núñez – Selles AJ, Maarse H, Bemelmans JMH. “Flavour changes in gamma irradiated grapefruit” *Food Chemistry* 21: 183 – 193, 1986.
15. Núñez – Selles AJ “Isolation and Pre – concentration Methods of Trace Organic Volatiles by Capillary Gas Chromatography” Editorial CENIC, Havana, Cuba, 1986 (Monograph, 112 pp) (spanish)
16. Núñez – Selles AJ “Determination of Aminoacids in Mixtures by Direct Inlet Chemical Ionization Mass Spectrometry” *Journal CENIC, Biological Sciences* 17: 14 – 15, 1986. (spanish)
17. Núñez – Selles AJ “The Analysis of Volatile Radiolytic Products on Gamma Irradiated Foods” *Journal CENIC, Biological Sciences* 17: 149 – 54, 1986. (spanish)
18. Núñez-Selles AJ, Tesarik K. “Comparison of Coating Techniques for Glass Capillary Columns” *Journal CENIC, Chemical Sciences* 18: 24-30, 1987. (spanish)
19. Cremata JA, Garcia A, Núñez – Selles AJ, Rosado A. “EI mass spectra of per – O – acetyl derivatives of 4’ – substituted glycopyranosylphenylamines” *Carbohydrate Research* 180: 156 – 161, 1988.
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21. Noda C, Olivera MI, Núñez-Selles AJ. “Synthesis of Methylionones at Bench Scale” *Chemical Technology* 12: 86-94, 1988. (spanish)
22. Peniche – Covas C, Jiménez MS, Núñez – Selles AJ. “Characterization of silver-binding chitosan complexes by thermal analysis and mass spectrometry” *Carbohydrate Polymers* 9: 249 – 256, 1988.
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24. Núñez – Selles AJ “Modern Instrumentation in Gas Chromatography” Editorial CENIC, Havana, Cuba, 1988. (Monograph, 70 pp.) (spanish)
25. Núñez – Selles AJ “Trace organic analysis in environmental matrices, natural products and biological fluids by capillary gas chromatography” Editorial CENIC, Havana, Cuba, 1988. (Monograph, 80 pp.)
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28. Pérez – Rey R, Núñez – Selles AJ, Baluja C, Lorenzo – Otero M. “Ozonation Kinetics of Glucosamine and N – Acetylglucosamine in Aqueous Medium” *Ozone Science & Engineering* 17: 463 – 7, 1995.
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30. Núñez-Selles AJ “Chemistry and IUPAC Affiliation Membership Programme: Improving chemists communication” *Chemistry International* 18/2: 73 – 74, 1996.

31. Núñez – Sellés, AJ “Q – Ulcer for treatment of gastric and peptic ulcers” Center of Pharmaceutical Chemistry, Havana, Cuba, 1996. (Monograph, 45 pp) (spanish).
32. Núñez – Selles AJ. “Developmental Experiences on Medicinal Products of Natural Origin” *Chimia* 51: 545, 1997.
33. Núñez – Selles AJ “Talking about Challenges: Drugs” *Avances Médicos de Cuba* IV (9): 4 – 7, 1997. (spanish)
34. Pellón R, Mamposo T, Boza A, Núñez – Selles AJ. "Ribofen" Center of Pharmaceutical Chemistry, Havana, Cuba, 1997. Monograph (26 pp). (spanish)
33. Prieto S, Núñez – Selles AJ. “The Discovery of New Drugs as an Urgent Need of the Natural Products Chemistry” *Revista Cubana de Química* 10: 128, 1998. (spanish)
34. Prieto S, Núñez – Selles AJ “New Topics Related to the Chemistry of Natural Products” *Revista Cubana de Química* 10: 129, 1998. (spanish)
35. Capote Hernández R, Bravo RC, Agüero Agüero J, Lora J, Nuñez – Sellés AJ. “Chemical – analytical Characterization of the Aqueous Stem Bark Extract from *Mangifera indica* L.” *Revista Cubana de Química* 10: 111, 1998. (spanish).
36. Capote Hernández R, Agüero Agüero J, Nuñez – Sellés AJ. “Chemical Characterization of the Non – polar Fraction from *Mangifera indica* L. Stem Bark Extract by GC/MS”. *Revista Cubana de Química* 10: 271, 1998. (spanish).
37. Lora J, Capote R, Agüero J, Nuñez – Selles AJ. “Determination of Fatty Acids in *Mangifera indica* L Stem Bark Extract (QF – 808)” *Revista Cubana de Química* 10:272, 1998. (spanish).
38. Guevara M, Tamayo D, González S, Núñez Sellés AJ. “*Mangifera indica* L. Ethnomedical Uses in Cuba” *Advances in Modern Biotechnology* 5: T4, 1999.
39. Núñez – Sellés AJ. “Vimang: New line of natural products”. *Avances Médicos de Cuba*, V (17): 34 – 37, 1999. (spanish).
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41. Núñez – Sellés AJ “Vimang: Antioxidant Natural Product” Center of Pharmaceutical Chemistry, Havana, Cuba, 1999. (Monograph, 35 pp) (spanish).
42. Núñez – Selles AJ “Realities and Perspectives of Cuban Science” *Iberoamerican Academy of Pharmacy* Sevilla, Spain, 2000. (Monograph, 32 pp)
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44. Sanchez GM, Re L, Giuliani A, Núñez – Sellés AJ, Davison GP, León – Fernández OS. “Protective Effects of *Mangifera indica* L. Extract, Mangiferin and Selected Antioxidants against TPA – induced Biomolecules Oxidation and Peritoneal Macrophage Activation in Mice”. *Pharmacological Research* 42: 565 – 573, 2000.
45. Guevara M, Garrido G, Paez Betancourt E, Nuñez – Sellés AJ. “Vimang: Ethnomedical Experience in Cuba”. *Revista Cubana de Farmacia*. 34: 68 – 69, 2000. (Spanish).
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88. Gonzalez JE, Rodríguez MD, Rodeiro I, Morffi J, Guerra E, Leal F, Garcia H, Goicochea E, Guerrero S, Garrido G, Delgado R, Nuñez – Selles AJ. “Lack of *In vivo* Embryotoxic and Genotoxic Activities of Orally Administered Stem Bark Aqueous Extract of *Mangifera indica* L. (Vimang)” *Journal of Food and Chemical Toxicology* 45: 2526 – 2532, 2007.
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91. Monge A, Barreiro EJ, Huenchunir P, Pinzón R, Núñez – Selles AJ, Chiriboga X., Cáceres A, Rivera G, Bocanegra – García V, Gupta M, Ferro EA, Peralta I, Lock O, Flores D, Salazar L, Guzmán OD, Cerecetto H, González M. “Functional Foods: Reflections on an Expanding Market” *Chemistry International* 30(5): 48 – 55, 2008.
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### 7.3 EDITORIAL BOARDS & REVIEWER

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- 1) Revista CENIC, Chemical & Biological Sciences, Cuba, Editorial Board, Member (1984)
- 2) Journal of Chromatography, Netherlands, Reviewer (1984)
- 3) Chromatographia, Germany, Reviewer (1984)
- 4) Revista Cubana de Química, Cuba, Editorial Board, Member (1986), President (1996)
- 5) Revista Juventud Técnica, Cuba, Scientific Advisory Board, Member (1998)
- 6) Revista Avances Médicos de Cuba, Scientific Advisory Board, Member (1999)
- 7) Applied Biotechnology, Cuba, Reviewer (1999)
- 8) Journal of the Brazilian Chemical Society, Brazil, Reviewer (2000), International Advisory Board (2007)
- 9) Journal of Agricultural and Food Chemistry, USA, Reviewer (2007)

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### 7.4 PRESS MEDIA

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About 20 articles related to the public understanding of Chemistry, particularly, and Science, generally, published in newspapers and magazines in Cuba, Spain, Italy, United Kingdom and USA.

Several interviews to journalists in Cuba, Spain and USA.

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### 7.5 SCIENTIFIC MEETINGS

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- 64 presentations at scientific meetings (Posters and Oral Communications) have been done in 12 countries: Cuba (40), Italy (4), France (3), Sweden (2), México (2) USA (2), Puerto Rico (2) and 1 each in China, Bulgaria, Netherlands, Spain and Malta.
- 94 Lectures (Session, Keynote or Plenary) have been delivered in 13 countries: Cuba (51), Spain (11), Italy (6), Chile (5), México (3), France (3), Netherlands (3), United Kingdom (3), Brazil (2), República Dominicana (3), Puerto Rico (2), USA (1), and Perú (1).
- Resuming: 157 presentations in 35 scientific meetings hold in 15 countries covering the period 1980 – 2008.
- President or Member of the Organizing or Scientific Committees of meetings hold in Cuba, México, Brazil, Perú, Puerto Rico, Venezuela, Spain and Italy.

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### 8. TEACHING & PROFESSORAL ACTIVITIES

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1. Teacher, Organic Chemistry I and II (120 h), Polytechnical Institute of Chemistry, Havana, Cuba. 1970 – 78
2. Teacher, Organic Analysis (80 h), *Ibid.*, 1972 – 1978
3. Professor, Postgraduate Course (120 h) “Marxist Philosophy” National Scientific Research Centre, Havana, Cuba. 1980 – 1982.
4. Professor, Postgraduate Course (40 h) “Gas Chromatography” National Scientific Research Centre, Havana, Cuba. 1982 – 1988
5. Professor, Postgraduate Course (40 h) “Isolation and Identification of Trace Organic Volatiles” National Scientific Research Centre, Havana, Cuba. 1985 – 1988
6. Professor, Postgraduate Course (40 h) “Oxidative Stress and Antioxidant Products” Mexican Centre of Biological Restoration, México D.F. 2000 – 2001
7. Professor & Coordinator, Diplomas Studies (120 h), “Oxidative Stress and Antioxidant Products”, Centre of Pharmaceutical Chemistry, Havana, Cuba. 2003 – 2004.

8. Professor and Coordinator, Postgraduate Course (40 h) "Preclinical and Clinical Studies of Natural Medicinal Products: Mango (*Mangifera indica* L.)", Ministry of Public Health, Cuba, 2003 – 2007
9. Professor, Postgraduate Course (20 h) "Design of R&D Projects for Drug Development" Centre of Health Sciences, University of San Salvador, El Salvador, 2005.
10. Professor, Doctoral Course (40 h) "Methodology of Scientific Research", University of Havana, 2006 – 2008; University of Medicine of Havana, Cuba, 2008.
11. Professor, Bachelor in Health Technologies, "Scale – up in the Pharmaceutical Industry" University of Medicine of Havana, Cuba, 2006-2008.
12. Professor, Doctoral Course (40 h) "Factors Affecting Drug Response" University of Sevilla, Spain, 2007.
13. Professor, Master Course (12 h) "R&D projects on Natural Health Products", University of Sevilla, Spain, 2007.
14. Leadership or Co – leadership of 7 Ph.D. Thesis in Chemistry and Pharmacy, National Scientific Research Centre, Centre of Pharmaceutical Chemistry, and University of Havana, Cuba, 2000 – 2007.
15. Invited Member, National Jury of Scientific Degrees in Chemistry, Ministry of High Education, Cuba, 1998 – 2007.

### **9. ACADEMIC POSITIONS & AFFILIATIONS**

1. Cuban Chemical Society, Founding Member (1978), President Elect (1996 – 2009).
2. International Union of Pure and Applied Chemistry, Affiliate (1987), National Representative (2008).
3. National Scientific Research Centre, Scientific Council, Member Elected (1980 – 1985).
4. *Ibid.* Scientific Secretary for Chemistry (1986 – 1988).
5. Center of Pharmaceutical Chemistry, Scientific Council, President (1990 – 2008).
6. Academy of Sciences of Cuba, High Scientific Council, Member (1989 – 1995).
7. *Ibid.* Titular Member (1996 – 2006).
8. *Ibid.* Academic of Merit (2007).
9. West Scientific Pole of Havana, Founding Member (1991).
10. *Ibid.* Commission of High Technology Equipment, President (1992).
11. Ministry of Science, Technology and Environment, Cuba, Senior Researcher (1992).
12. Ministry of Public Health, Cuba, National Jury, Scientific Categories (1995 – 2008).
13. National Forum of Science & Technology, Cuba, National Jury (1994 – 2007).
14. Iberoamerican Academy of Pharmacy (Granada – Sevilla, Spain), Numeral Academic (2000).
15. Royal Academy of Pharmacy of Catalunya (Barcelona, Spain), Correspondent Academic (2005).
16. Academy of Arts and Science of Puerto Rico, Correspondent Academic (2008).
17. Ministry of High Education, Cuba, Senior Professor (2007).
18. Federación Latinoamericana de Asociaciones Químicas (FLAQ), President Elect (2007 – 2008).
19. *Ibid.* Past President (2009 – 2010).
20. Member, American Chemical Society (2009)

### **10. BIOGRAPHICAL RECORDS**

Editorial	Title	Year
Academy of Sciences of Cuba	<i>Who´s Who in Sciences in Cuba</i>	1999
Marquis, New York, USA	<i>Who´s Who in the World, 14<sup>th</sup> Ed.</i>	1997/99
	<i>Who´s Who in Finances and Industry, 30<sup>th</sup> Ed.</i>	1997/98
	<i>Who´s Who in Healthcare and Medicine, 18<sup>th</sup> Ed.</i>	1998/99
American Biography Institute, North Caroline, USA	<i>American Biography Dictionary</i>	2000
	<i>International Profiles of Accomplished Leaders</i>	2008 (in press)
International Biography Centre, Cambridge, UK	<i>Dictionary of International Biography, 18<sup>th</sup> Ed.</i>	1997/98
	<i>2000 Outstanding Scientists of the XX<sup>th</sup> Century</i>	1999

## 11. AWARDS

- 1) National Scientific Research Centre, Annual Prize to the Highest Original Research Work – “Analysis of Trace Organic Volatiles by Gas Chromatography/ Mass Spectrometry”, 1986.
- 2) *Ibid.* Annual Prize to the Highest Economic Impact Research Work. “Determination of Microbial Pollution in Jet Fuel”, 1986.
- 3) Council of State, Cuba “Medal of Alphabetization”, 1991. (For the participation in the Campaign against illiteracy in 1961)
- 4) Ministry of High Education, Cuba “Award to Cuban Education”, 1993. (Achievements in Education)
- 5) Council of State, Cuba “Medal Jose Tey”, 1995 (25 years in Education)
- 6) Council of State, Cuba “Medal XL Anniversary of the Revolutionary Army Force”, 1997. (For the participation in the Campaign against illiteracy in 1961)
- 7) Cuban Office of Industrial Property, Havana, Cuba. National Award “Pharmaceutical Compositions with an Extract of *Mangifera indica* L. (Mango)”, 2000. (Mention)
- 8) National Forum on Science and Technology, Cuba. National Award “VIMANG: New Line of Natural Health Products”, 2001.
- 9) American Chemical Society, Washington D.C., USA “Medal 125 Years of the American Chemical Society”, 2001.
- 10) Institute of Tropical Medicine “Pedro Kourí”, Havana, Cuba. “Medal Centenary of Pedro Kourí”, 2002. (Contributions to Tropical Medicine Research)
- 11) Defense Committee of the Revolution, National Direction, Havana, Cuba. Award “The Prize of the Neighborhood”, 2002. (Achievements for the benefit of the Cuban population)
- 12) Council of State, Cuba “Order Carlos J. Finlay”, 2003 (Highest Award of Science in Cuba).
- 13) Council of State, Cuba “Medal Juan T. Roig”, 2004 (Achievements in Science)
- 14) Academy of Sciences of Cuba, Annual National Scientific Award “VIMANG: New Natural Product with Antioxidant, Anti – inflammatory and Analgesic Properties”, 2004.
- 15) Book Cuban Institute, Havana, Cuba. Award of the Critics for the Best Scientific Books “Cuba: Dawn of the Third Millenium”, Editorial Debate, Madrid, Spain, 2001; Editorial Científico – Técnica, Havana, Cuba, 2004. Fidel Castro Díaz – Balart (Ed.).
- 16) Havana Government People’s Administration, Cuba “Medal 485 Anniversary of Havana City”, 2006. (For the contribution of City development)
- 17) Cuban Society of Pharmacology, National Award to the Best Scientific Article “Antioxidant Mechanism of Action of Mango Stem Bark Extract through the Coordination of Iron II”, 2006 (Mention)
- 18) *Ibid.* “The Paradox of Natural Products as Pharmaceuticals”, 2007 (Mention)
- 19) Ministry of Public Health (Havana, Cuba). Annual Prize of Health 2008, Award to the Best Scientific Article “The Paradox of Natural Products as Pharmaceuticals”, 2008. (Prize).
- 20) National Commission of Scientific Degrees, Havana, Cuba. Annual Award to the Best Doctoral Thesis “Scientific Evidences and Development of a New Natural Product with Antioxidant, Analgesic, Anti – inflammatory and Immunomodulatory Properties”, University of Havana, 2008.

**I declare hereby that the content of this Cv is strictly true.**

**Havana, January, 2009**

**Prof. Dr. Alberto J. Núñez Sellés, Ph.D., Dr.Sc.**