Europass Curriculum Vitae

Personal information

First name(s) / Surname(s)	**Annamaria Colacci**
Address(es)	Office: c/o Department of Experimental. Diagnostic and Specialty Medicine (DIMES), University of Bologna Viale Filopanti 20/22 40126, Bologna, Italy;
E-mail	acolacci@arpa.emr.it ; annamaria.colacci@unibo.it;
Nationality	Italian
Languages	Italian (native), English (proficiency), French (intermediate)

Occupational field

Toxicology; Toxicogenomics, Genetics, Epidemiology, Environmental Health, Risk assessment;

Present Position

Senior executive full time position grade 10 out of 11
Chief - Center for Environmental Health and Prevention Assessment – Agency for Prevention, Environment and Energy (Arpae)- Emilia-Romagna, Italy
Director - GLP Testing Facility "Vitrox" – Member of the European Union Network of Laboratories for the Validation of Alternative Methods
Adjunct Professor Chair of Environmental Hygiene, School of Science, University of Bologna,
Adjunct Professor Chair of Applied Hygiene, School of Pharmacy, University of Bologna

Main activities and responsibilities

As the chief of two research centers, coordinates and motivates an interdisciplinary staff to meet efficiently projected schedules within budget and to insure quality results.
Leads research projects covering the areas of predictive toxicology, by using alternative tests, including toxicogenomics, environmental epidemiology and molecular epidemiology.
As a senior executive at Arpae, contributes to the co-ordination, planning, development and implementation of activities and procedures of the Agency and supports other services of the Agency on matters related to the work of the Center; handles external requests from other Governmental institutions, international bodies, and the general public; works with the other heads of units to ensure interdepartmental cooperation
As the Director of a GLP testing facility affiliated to the European Union Network of Laboratories for the Validation of Alternative Methods, participates into European Union programs to assess the reliability and relevance of alternative methods that have a potential to replace, reduce, or refine the use of animals for scientific purposes and assists the European Commission in the validation of alternative methods.
Usually involved in monitoring, surveillance and risk assessment concerning environmental pollutants at Regional and National level.
Provides scientific expertise and advice in several international and national committees and panels (see below for an updated list):

Academic Background

Ph.D. in Applied Genetics, University of Bologna, Italy,
Master of Sciences, University of Bologna, Italy,

Previous work experience

2008-2012	Chief, Regional Center for Environmental Carcinogenesis and Risk Assessment, Environmental Protection and Health Prevention Agency – Emilia Romagna (ARPA-ER)
2003 -2008	Head Center of Excellence for Environmental Carcinogenesis ; Environmental Protection and Health Prevention Agency – Emilia Romagna (ARPA-ER)
1989- 2003	Deputy of Chief of Biotechnology Satellite Unit, Bologna, National Institute for Cancer Research (IST), Genoa, Italy - Head of the Lab. Mechanisms of Carcinogenesis and Anticarcinogenesis;
1986- 1989	High School Chair in Sciences – Ministry of Education - Full Professor of Sciences
1981 –1986	Research fellowship training National Research Council, Italy
Jan 1979-1981	Clinical Laboratory Scientist , Villa Maria Clinic, Campobasso, Italy ,

Academic Appointments

2018-present	Adjunct Professor Chair of Applied Hygiene, School of Pharmacy, University of Bologna
2014-present	Professor in the postgraduate Master in Environmental Management School of Science – University of Bologna
2012 – 2014	Coordinator of the postgraduate Master for Risk assessment and management – School of Science – University of Bologna
2011-present	Professor in the postgraduate Master in Nutrition and Health Education – School of Medicine, University of Bologna
2005-present	Adjunct Professor Chair of Environmental Hygiene, School of Science University of Bologna, 2005 to present
2005-2008	Professor at the Postgraduate Course on Toxicology applied to Risk Assessment, School of Pharmacy, University of Milan
2005-2007	Professor at the Postgraduate School for Biologists, University of Ferrara, Italy
1996-2001	Adjunct Professor - Mutagenesis Lab - Postgraduate School of Applied Genetics, University of Bologna,

Committees and Panels

International	WHO - International Programme on Chemical Safety, International Chemical Safety Cards (ICSC). Delegate for Italy Organisation for Economic Co-operation and Development (OECD) - Integrated Approach for Testing and Assessment on non-genotoxic carcinogenesis (2015-present) Steering Committee and WG. Delegate for Italy OECD - Extended Advisory Group on Molecular Screening and Toxicogenomics (2012-present); Delegate for Italy OECD - Expert Group on Transcriptomics (2017-present) –Delegate for Italy OECD. Validation Management Group for Non-Animal Testing (2012-present). Delegate for Italy OECD -Endocrine Disruptors Testing and Assessment Advisory Group, (2011-present). Delegate for Italy OECD -Cell Transformation Expert Panel, (1998-present) – Delegate for Italy EU Commission – Expert Advisory Group on Endocrine Disruptors (2012-present) Italian Representative
National	Italian National Task Force "Environment and Health" for the National Prevention Plan – Italian Ministry of Health - Since August 2017 Advisory Section for Pesticides – Committee for nutrition and animal health - Italian Ministry of Health – Since May 2017 Italian National Advisory Toxicology Committee on Pesticides, Italy. 2003-2016 National Institute for Environmental Research and Protection – Federal Council of National EPAs: REACH regulation panel (from 2008 onwards); Italian National Institute for Environmental Research and Protection – Federal Council of Italian National EPAs: Regulation panel on test procedures for H14 classification (from 2010 onwards) Italian National Group for Evaluating Exposure to Endocrine Disruptors, Italian Government Premier Cabinet, Italy 2005-2008 Italian National Environmental Protection Agency (APAT) – Risk assessment panel 2005-2007 Italian National Advisory Toxicology Committee, Italy. 1993-2003,
Editorial Duties and Memberships in Scientific and Professional Societies	Editorial Board Member Mutation Research – Reviews Editorial Board Review Editor Frontiers in Toxicogenomics Member Italian Society for Applied Pharmacology Member Italian Association of Hygiene, Preventive Medicine and Public Health Fellow Women in Cancer Research Group (WICR)
Referee/Reviewer	Toxicology in vitro; Microchemical Journal; ALTEX; Environmental Health; Computational and Mathematical Methods in Medicine; Chemosphere; SpringerPlus; Nature-Scientific Report
Certification and Licensure	Italian National Biologists League Awarded the title of European Biologist (EurBiol) by the European Biologists Registration Committee

Research Projects

Scientific Projects in the last 5 years:

Interreg Central Europe Programme: Project title `'Dynaxibility4CE", PP8 Leader (2020-2022)

CCM-Ministero della Salute – Progetto RIAS: Rete Italiana Ambiente e Salute (2019-2021)- Steering Committee

Use and implementation of full-chain exposure software to develop pharmacokinetics modelling of PFAS and highlight toxicological behaviour and risk for human healthUse and implementation of full-chain exposure software to develop pharmacokinetics modelling of PFAS and highlight toxicological behaviour and risk for human health. Principal investigator ; Project Coordinator (2018-2021)

Interreg Central Europe Programme: Project title "Environmental integrated, multilevel knowledge and approaches to counteract critical air pollution events, improving vulnerable citizens quality of life in Central Europe Functional Urban Area" – Project Manager-Leader Partner (2017-2020)

European Food Safety Agency – PRAS 13 Project Title: Robust study summaries of the glyphosate dossier – Coordinator (2017-2018)

The Halifax Project – Getting to know cancer – Validation Team (2013-2015)
http://www.gettingtoknowcancer.org/

Central Europe Programme: Project title: "Nanoforce – Nanotechnology for Chemical enterprises: how to link scientific knowledge to the business in the Central Europe Space"
http://www.nanoforceproject.eu/

The Supersite Project – WP 4 Predictive Toxicology (sponsored by Emilia-Romagna Region – Dept of Public Health) (2012-2016)
http://www.arpa.emr.it/pubblicazioni/Supersito/generale_2121.asp

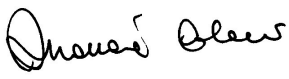
The APTEC project – Application of Toxicogenomics to Ecotoxicology (sponsored by Ministry of Environment within REACH framework and OECD activity of the Extended Advisory Group on Molecular Screening and Toxicogenomics) (2012-2015)

Publications

Author of 107 peer-reviewed publications
Author of books, chapters in books, patents

Date: 17th April 2020

Signed: Annamaria Colacci



Annex 1 - **List of most relevant publications in the last ten years (updated 2020)**

Annex 1:

LIST OF MOST RELEVANT PUBLICATIONS IN THE LAST 10 YEARS

1. Baldini M., Bartolacci S., Bortone G., Colacci A., Di Biagio K., Di Buono V, Dolcini J., Maffei G., Marchesi S. , Mescoli A., Parmagnani F., Pillo G., Poluzzi V., Ranzi A., Serra S., Simeoni T.V., Zauli Sajani S. Valutazione del possibile rapporto tra l'inquinamento atmosferico e la diffusione del SARS-CoV-2 Epidemiologia e Prevenzione Repository Documenti Preprint su COVID-19 Aprile 2020 https://repo.epiprev.it/index.php/download/valutazione-del-possibile-rapporto-tra-linquinamento-atmosferico-e-la-diffusione-del-sars-cov-2/

2. Serra S, Vaccari M, Mascolo MG, Rotondo F, Zanzi C, Polacchini L, Behle Wagner C, Kunkelmann T, Perschbacher S, Poth A, Grilli S, Jacobs MN, Colacci A. Hazard assessment of air pollutants: The transforming ability of complex pollutant mixtures in the Bhas 42 cell model. ALTEX. 36(4):623-633 2019.. Epub 2019 Jun 3.

3. Mascolo MG, Perdichizzi S, Vaccari M, Rotondo F, Zanzi C., Grilli S, Paparella M, Jacobs MN, Colacci A. The Transformics Assay: First Steps for the Development of an Integrated Approach to Investigate the Malignant Cell Transformation *in vitro*, *Carcinogenesis*, 39(7):955-96 2018 https://doi.org/10.1093/carcin/bgy037

4. Corvi R, Madia F, Guyton KZ, Kasper P, Rudel R, Colacci A, Kleinjans J, Jennings P. Moving forward in carcinogenicity assessment: Report of an EURL ECVAM/ESTIV workshop. Toxicol In Vitro. 45(Pt 3):278-286. 2017 Epub 2017 Sep 12.

5. **Colacci A.** Vaccari M. Children's and Adult Involuntary and Occupational Exposures and Cancer In: Translational Toxicology: Defining a New Therapeutic Discipline with a Focus on Windows of Susceptibility in Reproduction and Cancer **Editor(s):** Charles Hughes, Michael D Waters 2017

6. Canistro D, Vivarelli F, Cirillo S, Babot Marquillas C, Buschini A, Lazzaretti M, Marchi L, Cardenia V, Rodriguez-Estrada MT, Lodovici M, Cipriani C, Lorenzini A, Croco E, Marchionni S, Franchi P, Lucarini M, Longo V, Della Croce CM, Vornoli A, **Colacci** A, Vaccari M, Sapone A, Paolini M: E-cigarettes induce toxicological effects that can raise the cancer risk. Nature – Sci. Rep. May 17;7(1):2028, 2017

7. Quercioli D, Roli A, Morandi E, Perdichizzi S, Polacchini L, Rotondo F, Vaccari M, Villani M, Serra R, **Colacci A.** The use of omics-based approaches in regulatory toxicology: an alternative approach to assess the no observed transcriptional effect level. Microchem J. Epub 9 February 2017

8. Paparella M, **Colacci A**, Jacobs MN. Uncertainties of testing methods: What do we (want to) know about carcinogenicity? ALTEX epub 24 Ottobre, 2016

9. Schaap MM, van Benthem J, Jacobs MN, **Colacci A**, Kienhuis AS, van Steeg H, Luijten M Dissecting Modes of Action of Non-genotoxic Carcinogens In: Toxicogenomics in Predictive Carcinogenicity **Editor(s):** Russell S Thomas, Michael D Waters, pp 209-235, 2016

10. Jacobs M, **Colacci A**, Louekari K., Luijten M, Hakkert B, Paparella M, and Vasseur P The international regulatory need for tests and information to develop an Integrated Approach to Testing and Assessment (IATA) of non-genotoxic carcinogenic chemical substances. AlLTEX 33(4):359-392, 2015.

11. Callegaro G, Stefanini FM, Colacci A, Vaccari M, Urani C. An improbe classification of foci for carcinogenicity testing by statistical descriptors. Toxicol In Vitro. Oct;29(7):1839-50, 2015

12. Kravchenko J, Corsini E, Williams MA, Decker W, Manjili MH, Otsuki T, Singh N, Al-Mulla F, Al-Temaimi R, Amedei A, **Colacci AM,** Vaccari M, Mondello C, Scovassi AI, Raju J, Hamid RA, Memeo L, Forte S, Roy R, Woodrick J, Salem HK, Ryan EP, Brown DG, Bisson WH, Lowe L, Lyerly HK. Chemical compounds from anthropogenic environment

and immune evasion mechanisms: potential interactions. Carcinogenesis. Jun;36 Suppl 1:S111-27. 2015. Review.;

13. Ochieng J, Nangami GN, Ogunkua O, Miousse IR, Koturbash I, Odero-Marah V, McCawley LJ, Nangia-Makker P, Ahmed N, Luqmani Y, Chen Z, Papagerakis S, Wolf GT, Dong C, Zhou BP, Brown DG, **Colacci AM**, Hamid RA, Mondello C, Raju J, Ryan EP, Woodrick J, Scovassi AI, Singh N, Vaccari M, Roy R, Forte S, Memeo L, Salem HK, Amedei A, Al-Temaimi R, Al-Mulla F, Bisson WH, Eltom SE. The impact of low-dose carcinogens and environmental disruptors on tissue invasion and metastasis. Carcinogenesis. Jun;36 Suppl 1:S128-59. 2015. Review. .

14. Casey SC, Vaccari M, Al-Mulla F, Al-Temaimi R, Amedei A, Barcellos-Hoff MH, Brown DG, Chapellier M, Christopher J, Curran CS, Forte S, Hamid RA, Heneberg P, Koch DC, Krishnakumar PK, Laconi E, Maguer-Satta V, Marongiu F, Memeo L, Mondello C, Raju J, Roman J, Roy R, Ryan EP, Ryeom S, Salem HK, Scovassi AI, Singh N, Soucek L, Vermeulen L, Whitfield JR, Woodrick J, **Colacci A**, Bisson WH, Felsher DW. The effect of environmental chemicals on the tumor microenvironment. Carcinogenesis. 2015 Jun;36 Suppl 1:S160-83, 2015.

15. Hu Z, Brooks SA, Dormoy V, Hsu CW, Hsu HY, Lin LT, Massfelder T, Rathmell WK, Xia M, Al-Mulla F, Al-Temaimi R, Amedei A, Brown DG, Prudhomme KR, **Colacci A**, Hamid RA, Mondello C, Raju J, Ryan EP, Woodrick J, Scovassi AI, Singh N, Vaccari M, Roy R, Forte S, Memeo L, Salem HK, Lowe L, Jensen L, Bisson WH, Kleinstreuer N. Assessing the carcinogenic potential of low-dose exposures to chemical mixtures in the environment: focus on the cancer hallmark of tumor angiogenesis. Carcinogenesis. Jun;36 Suppl 1:S184-202, 2015. Review.

16. Carnero A, Blanco-Aparicio C, Kondoh H, Lleonart ME, Martinez-Leal JF, Mondello C, Scovassi AI, Bisson WH, Amedei A, Roy R, Woodrick J, **Colacci A**, Vaccari M, Raju J, Al-Mulla F, Al-Temaimi R, Salem HK, Memeo L, Forte S, Singh N, Hamid RA, Ryan EP, Brown DG, Wise JP Sr, Wise SS, Yasaei H. Disruptive chemicals, senescence and immortality. Carcinogenesis. Jun;36 Suppl 1:S19-37, 2015.

17. Nahta R, Al-Mulla F, Al-Temaimi R, Amedei A, Andrade-Vieira R, Bay SN, Brown DG, Calaf GM, Castellino RC, Cohen-Solal KA, **Colacci A**, Cruickshanks N, Dent P, Di Fiore R, Forte S, Goldberg GS, Hamid RA, Krishnan H, Laird DW, Lasfar A, Marignani PA, Memeo L, Mondello C, Naus CC, Ponce-Cusi R, Raju J, Roy D, Roy R, Ryan EP, Salem HK, Scovassi AI, Singh N, Vaccari M, Vento R, Vondráček J, Wade M, Woodrick J, Bisson WH. Mechanisms of environmental chemicals that enable the cancer hallmark of evasion of growth suppression. Carcinogenesis. Jun;36 Suppl 1:S2-18, 2015. Review.

18. Robey RB, Weisz J, Kuemmerle NB, Salzberg AC, Berg A, Brown DG, Kubik L, Palorini R, Al-Mulla F, Al-Temaimi R, **Colacci A**, Mondello C, Raju J, Woodrick J, Scovassi AI, Singh N, Vaccari M, Roy R, Forte S, Memeo L, Salem HK, Amedei A, Hamid RA, Williams GP, Lowe L, Meyer J, Martin FL, Bisson WH, Chiaradonna F, Ryan EP. Metabolic reprogramming and dysregulated metabolism: cause, consequence and/or enabler of environmental carcinogenesis? Carcinogenesis. Jun;36 Suppl 1:S203-31, 2015. Review.

19. Thompson PA, Khatami M, Baglole CJ, Sun J, Harris SA, Moon EY, Al-Mulla F, Al-Temaimi R, Brown DG, **Colacci A**, Mondello C, Raju J, Ryan EP, Woodrick J, Scovassi AI, Singh N, Vaccari M, Roy R, Forte S, Memeo L, Salem HK, Amedei A, Hamid RA, Lowe L, Guarnieri T, Bisson WH. Environmental immune disruptors, inflammation and cancer risk. Carcinogenesis. Jun;36 Suppl 1:S232-53. doi: 10.1093/carcin/bgv038. Review. PubMed PMID: 26106141, 2015;

20. Goodson WH 3rd, Lowe L, Carpenter DO, Gilbertson M, Manaf Ali A, Lopez de Cerain Salsamendi A, Lasfar A, Carnero A, Azqueta A, Amedei A, Charles AK, Collins AR, Ward A, Salzberg AC, **Colacci A**, Olsen AK, Berg A, Barclay BJ, Zhou BP, Blanco-Aparicio C, Baglole CJ, Dong C, Mondello C, Hsu CW, Naus CC, Yedjou C, Curran CS, Laird DW, Koch DC, Carlin DJ, Felsher DW, Roy D, Brown DG, Ratovitski E, Ryan EP, Corsini E, Rojas E, Moon EY, Laconi E, Marongiu F, Al-Mulla F, Chiaradonna F, Darroudi F, Martin FL, Van Schooten FJ, Goldberg GS, Wagemaker G, Nangami GN, Calaf GM, Williams G, Wolf GT, Koppen G, Brunborg G, Lyerly HK, Krishnan H, Ab Hamid H, Yasaei H, Sone H, Kondoh H, Salem HK, Hsu HY, Park HH, Koturbash I, Miousse IR, Scovassi AI, Klaunig JE, Vondráček J, Raju

J, Roman J, Wise JP Sr, Whitfield JR, Woodrick J, Christopher JA, Ochieng J, Martinez-Leal JF, Weisz J, Kravchenko J, Sun J, Prudhomme KR, Narayanan KB, Cohen-Solal KA, Moorwood K, Gonzalez L, Soucek L, Jian L, D'Abronzo LS, Lin LT, Li L, Gulliver L, McCawley LJ, Memeo L, Vermeulen L, Leyns L, Zhang L, Valverde M, Khatami M, Romano MF, Chapellier M, Williams MA, Wade M, Manjili MH, Lleonart ME, Xia M, Gonzalez MJ, Karamouzis MV, Kirsch-Volders M, Vaccari M, Kuemmerle NB, Singh N, Cruickshanks N, Kleinstreuer N, van Larebeke N, Ahmed N, Ogunkua O, Krishnakumar PK, Vadgama P, Marignani PA, Ghosh PM, Ostrosky-Wegman P, Thompson PA, Dent P,Heneberg P, Darbre P, Sing Leung P, Nangia-Makker P, Cheng QS, Robey RB, Al-Temaimi R, Roy R, Andrade-Vieira R, Sinha RK, Mehta R, Vento R, Di Fiore R, Ponce-Cusi R, Dornetshuber-Fleiss R, Nahta R, Castellino RC, Palorini R, Abd Hamid R, Langie SA, Eltom SE, Brooks SA, Ryeom S, Wise SS, Bay SN, Harris SA, Papagerakis S, Romano S, Pavanello S, Eriksson S, Forte S, Casey SC, Luanpitpong S, Lee TJ, Otsuki T, Chen T, Massfelder T, Sanderson T, Guarnieri T, Hultman T, Dormoy V, Odero-Marah V, Sabbisetti V, Maguer-Satta V, Rathmell WK, Engström W, Decker WK, Bisson WH, Rojanasakul Y, Luqmani Y, Chen Z, Hu Z. Assessing the carcinogenic potential of low-dose exposures to chemical mixtures in the environment: the challenge ahead. Carcinogenesis. Jun;36 Suppl 1:S254-96 2015. Review erratum in: Carcinogenesis. 2016 Mar;37(3):344.

21. Engström W, Darbre P, Eriksson S, Gulliver L, Hultman T, Karamouzis MV, Klaunig JE, Mehta R, Moorwood K, Sanderson T, Sone H, Vadgama P, Wagemaker G, Ward A, Singh N, Al-Mulla F, Al-Temaimi R, Amedei A, **Colacci AM**, Vaccari M, Mondello C, Scovassi AI, Raju J, Hamid RA, Memeo L, Forte S, Roy R, Woodrick J, Salem HK, Ryan EP, Brown DG, Bisson WH The potential for chemical mixtures from the environment to enable the cancer hallmark of sustained proliferative signalling. Carcinogenesis. Jun;36 Suppl 1:S38-60. 2015

22. Langie SA, Koppen G, Desaulniers D, Al-Mulla F, Al-Temaimi R, Amedei A, Azqueta A, Bisson WH, Brown DG, Brunborg G, Charles AK, Chen T, **Colacci A**, Darroudi F, Forte S, Gonzalez L, Hamid RA, Knudsen LE, Leyns L, Lopez de Cerain Salsamendi A, Memeo L, Mondello C, Mothersill C, Olsen AK, Pavanello S, Raju J, Rojas E, Roy R, Ryan EP, Ostrosky-Wegman P, Salem HK, Scovassi AI, Singh N, Vaccari M, Van Schooten FJ, Valverde M, Woodrick J, Zhang L, van Larebeke N, Kirsch-Volders M, Collins AR. Causes of genome instability: the effect of low dose chemical exposures in modern society. Carcinogenesis. 36 Suppl 1:S61-88. 2015

23. Narayanan KB, Ali M, Barclay BJ, Cheng QS, D'Abronzo L, Dornetshuber-Fleiss R, Ghosh PM, Gonzalez Guzman MJ, Lee TJ, Leung PS, Li L, Luanpitpong S, Ratovitski E, Rojanasakul Y, Romano MF, Romano S, Sinha RK, Yedjou C, Al-Mulla F, Al-Temaimi R, Amedei A, Brown DG, Ryan EP, **Colacci A**, Hamid RA, Mondello C, Raju J, Salem HK, Woodrick J, Scovassi AI, Singh N, Vaccari M, Roy R, Forte S, Memeo L, Kim SY, Bisson WH, Lowe L, Park HH. Disruptive environmental chemicals and cellular mechanisms that confer resistance to cell death. Carcinogenesis. Jun;36 Suppl 1:S89-110, 2015

24. Vaccari M, Mascolo MG, Rotondo F, Morandi E, Quercioli D, Perdichizzi S, Zanzi C, Serra S, Poluzzi V, Angelini P, Grilli S, **Colacci A**. Identification of pathway-based toxicity in the BALB/c 3T3 cell model. Toxicol In Vitro. 2015 Sep;29(6):1240-53. doi: 10.1016/j.tiv.2014.10.002. Epub 2014 Oct 16. PubMed PMID:

25. **Colacci A**, Vaccari M, Mascolo Maria Grazia, Rotondo F., Morandi E., Quercioli D., Perdichizzi S., Zanzi C., Serra S., Poluzzi V., Angelini P., Grilli S., Zinoni F. Alternative Testing Methods for Predicting Health Risk from Environmental Exposures, Sustainability, 6: 5265-5283. 2014

26. Perdichizzi, S., Mascolo, M.G., Silingardi, P., Morandi, E., Rotondo, F., Guerrini, A., Prete, L., Vaccari, M., **Colacci, A**., 2014. Cancer-related genes transcriptionally induced by the fungicide penconazole. Toxicology in Vitro 28, 125-130, 2014

27. Baderna D, Golbamaki N, Maggioni S, Vaccari M, **Colacci A,** Benfenati E . Toxicological Characterization of Waste-Related Products Using Alternative Methods: Three Case Studies. In: (a cura di): Editors: Bernd Bilitewski, Rosa Mari Darbra, Damià Barceló, Global Risk-Based Management of Chemical Additives II Risk-Based Assessment and Management Strategies . THE HANDBOOK OF ENVIRONMENTAL CHEMISTRY, vol. 23, p. 171-205, SpringerLink 2013

28. Ropolo M, Balia C. Paola Roggieri P, Lodi V,. Nucci M.C., Violante F.S., Silingardi P, **Colacci A** , Bolognesi C The micronucleus assay as a biological dosimeter in hospital workers exposed to low doses of ionizing radiation, Mutat Res. 747(1): 7-13 2012

29. **Colacci A**., Mascolo M. G., Perdichizzi S., Quercioli D., Gazzilli A., Rotondo F., Morandi E., Guerrini A., Silingardi P., Grilli S., Vaccari M. Different sensitivity of BALB/c 3T3 cell clones in the response to carcinogens. Toxicol In Vitro 25 1183–1190. 2011

30. Graudenzi A., Serra R., Villani M., **Colacci A.** and Kauffman S.A.. Dynamical Properties of a Boolean Model of Gene Regulatory Network with Memory Journal of Computational Biology., 18: 559-577. 2011

31. Damiani, C.; Serra, R.; Villani, M.; Kauffman, S.A.; **Colacci, A** Cell-cell interaction and diversity of emergent behaviours J. Systems Biology, 5: 137 – 144, 2011

32. Gaudenzi A., Serra R., Villani M., Colacci A. and Kauffman S.A.. Robustness Analysis of a Boolean Model of Gene Regulatory Network with Memory Journal of Computational Biology., 18: 559-577. 2011

33. Colacci A., Mascolo M. G., Perdichizzi S., Quercioli D., Gazzilli A., Rotondo F., Morandi E., Guerrini A., Silingardi P., Grilli S., Vaccari M. Different sensitivity of BALB/c 3T3 cell clones in the response to carcinogens. Toxicol In Vitro 25 1183–1190. 2011

34. Serra R, Villani M, Barbieri A, Kauffman SA, **Colacci A** On the dynamics of random Boolean networks subject to noise: attractors, ergodic sets and cell types. J Theor Biol. 265(2):185-93 2010 Epub 2010 Apr 18

35. Mascolo M.G., Perdichizzi S., Rotondo F., Morandi E, Guerrini A., Silingardi P., Vaccari M., Grilli S., and **Colacci A.** BALB/c 3T3 cell transformation assay for the prediction of carcinogenic potential of chemicals and environmental mixtures Toxicol In Vitro. 24: 1292-1300, 2010

36. Morandi E., Severini C., Quercioli D., Perdichizzi S., Mascolo M.G., Horn W., Vaccari M., Nucci M.C., Lodi V., Violante F.S., Bolognesi C., Grilli S., Silingardi P. and **Colacci A**. Gene expression changes in medical workers exposed to radiation. Radiat Res. 172: 500-508., 2009

37. Serra R., Villani M., Graudenzi A, **Colacci A**., Kauffmann S.A. The simulation of gene knock-out in scale-free random Boolean models of genetic networks Networks and Heterogeneous Media, 3: 333-343, 2008

38. Serra R., Villani M., Damiani C. Graudenzi A, **Colacci A**., The Diffusion of Perturbations in a Model of Coupled Random Boolean Networks LNCS, 315-322, 2008

39. Morandi E., Severini C., Quercioli D., D'Ario G., Perdichizzi S., Capri M., Farruggia G., MascoloM.G., Horn W., Vaccari M., Serra R., **Colacci A**., Silingardi P. Gene expression time-series analysis of camptothecin effects in U87-MG and DBTRG-05 glioblastoma cell lines. Molecular Cancer 7: 66.-81, 2008

40. Maffei R., Marasca R., Martinelli S., Castelli I., Santachiara R., Morandi E., Zucchini P., Fontana M., Giacobbi F., Silingardi P., Bonacorsi G., Temperani P., Masini L., **Colacci A**., Serra R. and Torelli G Angiopoietin-2 expression in B-cell chronic lymphocytic leukemia: association with clinical outcome and immunoglobulin heavy-chain mutational status., Leukemia, 21: 1312-1315, 2007