

Europass

Βιογραφικό Σημείωμα

Προσωπικές πληροφορίες

Όνομα / Επίθετο

Διεύθυνση εργασίας

Τηλέφωνο

E-mail

Εθνικότητα

Ημερομηνία γέννησης

Οικογενειακή κατάσταση

Τίτλος

Εργασιακή εμπειρία

Χρονικό διάστημα

Απασχόληση ή θέση

Επιστημονικές διακρίσεις

Δημήτριος Κουρέτας

Βιόπολις, Μεζούρλο, 41500, Λάρισα

+30 2410565277

dkouret@uth.gr

Ελληνική

02-05-1962

Παντρεμένος με τη Χαριτίνη Νέπκα MD, PhD, Ιατρό – Κυππαροπαθολόγο στο Πανεπιστημιακό Νοσοκομείο Λάρισας, μία κόρη την Αναστασία Κουρέτα, γεννημένη το 1995, Ιατρό.

Καθηγητής Φυσιολογίας Ζωικών Οργανισμών - Τοξικολογίας

2007 - Σήμερα

Καθηγητής Φυσιολογίας Ζωικών Οργανισμών – Τοξικολογίας, Τμήμα Βιοχημείας και Βιοτεχνολογίας, Πανεπιστήμιο Θεσσαλίας

2003 - 2007

Αναπληρωτής Καθηγητής, Τμήμα Βιοχημείας και Βιοτεχνολογίας, Πανεπιστήμιο Θεσσαλίας

1997 – 2003

Επίκουρος Καθηγητής, Πανεπιστήμιο Θεσσαλίας

1995 - 1997

Λέκτορας, Πανεπιστήμιο Θεσσαλίας

1993-1995

Ερευνητής

Θεαγένειο Αντικαρκινικό Νοσοκομείο, Θεσσαλονίκη

1990-1992

Μεταδιδάκτορας

Ιατρική Σχολή του Harvard, Βοστώνη, ΗΠΑ

- Βραβείο στο 7^ο πολυσυνέδριο με θέμα «Καινοτομία & Ανάπτυξη» για τη συμβολή του στην Καινοτομία και την Ανάπτυξη. Η επιλογή έγινε από τη Μικτή Επιτροπή του Ελληνο-Γερμανικού Εμπορικού Επιμελητηρίου και την οργανωτική επιτροπή του συνεδρίου, 2014
- Βραβείο Ακαδημαϊκής και Επιστημονικής Αριστείας στον τομέα των οικολογικών καινοτόμων τροφίμων από την ΕΕ, 2013

Εκπαίδευση και κατάρτιση

PhD

1989:

PhD στη Βιοχημεία, Τμήμα Χημείας, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης

BSc

1985:

BSc στη Φαρμακευτική, Πανεπιστήμιο Πατρών

Ερευνητικά ενδιαφέροντα

• Μοριακοί μηχανισμοί της αντιοξειδωτική δράσης φυτικών φαινολικών συστατικών

• Οξειδωτικό στρες και άσκηση

• Αντιοξειδωτικές δράσεις φυτικών εκχυλισμάτων

• Βιολειτουργικά τρόφιμα και άσκηση

Διοικητικές θέσεις

2013-2015, Πρόεδρος του Περιφερειακού Συμβουλίου Καινοτομίας, Περιφέρειας Θεσσαλίας (http://liaison.uth.gr/attachments/2014/134-RIS3Thessaly_V2.pdf)

2013-2014, Αναπληρωτής Πρύτανης, Πανεπιστήμιο Θεσσαλίας

2013-2014, Επιστημονικός Υπεύθυνος Γραφείου Διασύνδεσης, Πανεπιστήμιο Θεσσαλίας (<http://liaison.uth.gr/index.php/el/>)

2015-σήμερα, Διευθυντής του Προγράμματος Μεταπτυχιακών Σπουδών Τοξικολογία, Πανεπιστήμιο Θεσσαλίας (http://www.bio.uth.gr/index.php?option=com_content&view=article&id=742&Itemid=124&lang=en)

2017- σήμερα: Πρόεδρος της Ελληνικής Εταιρείας Τοξικολογίας
2017-2021 : μέλος του SCHEER (Ομάδα εμπειρογνωμόνων της Ευρωπαϊκής Επιτροπής)
2019: Ιδρυτής της FoodOxys IKE Τεχνοβλαστός, Πανεπιστήμιο Θεσσαλίας (www.foodoxys.com)
2019: Μέλος της Παγκόσμιας Ακαδημίας Επιστημών

Συντάκτης σε επιστημονικά περιοδικά

Associate Editor Food and Chemical Toxicology (IF 5.572)
Associate Editor Environmental Research (IF 8.431)
Associate Editor Toxicology Reports
Academic Editor Oxidative Medicine and Cellular Longevity (IF 7.310)
Academic Editor Antioxidants (IF 7.675)
Guest Editor Food and Chemical Toxicology 2013

Κριτής

Sport Medicine, Molecular Endocrinology, Xenobiotica, Toxicology in Vitro, Chemico Biological Interactions, Toxicology Letters, Food and Chemical Toxicology, European Journal Of Applied Physiology, Chemical research in Toxicology, Mutation Research, Journal Of Physiology, Physiological research, Journal Of Medicinal Food, British Journal Of Pharmacology, Pharmacological Research, Toxicology, Scand. Journ. Of Sport Medicine, British Journal of Sport Medicine, Basic and Clinical Pharmacology Toxicology, Chinese Journal of Physiology, Fitoterapia, Biochemical Pharmacology, Exp. Ther. Medicine. Biomedical Reports, Molecular Medicine Reports, PLOS one.

Χρηματοδοτούμενα ερευνητικά προγράμματα

- ΠΕΝΕΔ 2003 «Ταυτοποίηση και αξιολόγηση βιολογικών ενεργών χημικών ενώσεων σε ελληνικά κρασιά και αντίστοιχες ελληνικές ποικιλίες αμπέλου (VITIS VINIFERA) - Διερεύνηση του ρόλου τους ως χημειοπροληπτικές ενώσεις» (ολοκληρώθηκε)
- EYREKA 2006-2008 «Αξιοποίηση υποπροϊόντων από τη βιομηχανία τοματοπολού και επεξεργασία φρούτων μέσω της ανάκτησης βιοδραστικών ενώσεων υψηλής προστιθέμενης αξίας». Προϋπολογισμός: 350000 ευρώ
- Βιοχημική παρακολούθηση αθλητών κλασικού στίβου της Εθνικής Ελλάδος (ΣΕΓΑΣ, 55000 ευρώ) (2007-2008)
- ΔΙΕΘΝΗΣ ΣΥΝΕΡΓΑΣΙΑ στο πλαίσιο του ΠΕΠ Θράκης 2006-2008 «Ενσωμάτωση βιοδραστικών φυτικών εκχυλισμάτων στην παραγωγή και πιστοποίηση βιολειτουργικών γαλακτοκομικών προϊόντων υψηλής προστιθέμενης αξίας». Προϋπολογισμός 400000 ευρώ.
- 'Διατροφική αξία και παραγωγή υψηλής ποιότητας βιολειτουργικών γαλακτοκομικών προϊόντων με προσθήκη φυτικών εκχυλισμάτων εμπλουτισμένων σε αντιοξειδωτικά (προϋπολογισμός: 260000 ευρώ) Από την επιχορήγηση Πόλων Καινοτομίας της ΓΓΕΤ.
- «Ανάπτυξη βιολειτουργικού αλεύρου με ενσωμάτωση φυτικών εκχυλισμάτων εμπλουτισμένων με βιοδραστικές ενώσεις». Σε συνεργασία με την εταιρεία Μύλοι Καπλανίδη (προϋπολογισμός: 70000 ευρώ).
- «Ανθρώπινα δίκτυα έρευνας και τεχνολογικής εκπαίδευσης. Ανθρώπινο δίκτυο εκπαίδευσης στον τομέα των βιολειτουργικών τροφίμων». Χρηματοδοτήθηκε από τη ΓΓΕΤ με 200000 ευρώ.
- Παραγωγή βιολειτουργικών γαλακτοκομικών προϊόντων υψηλής ποιότητας με προσθήκη φυτικών εκχυλισμάτων εμπλουτισμένων σε αντιοξειδωτικά (προϋπολογισμός: 50000 ευρώ) σε συνεργασία με την εταιρεία Όλυμπος
- Παραγωγή βιολειτουργικών τροφίμων από εκχυλίσματα φαρμακευτικών φυτών από τον Κίσσαβο (50.000 ευρώ). Νομός Λάρισας (2009-2011)
- Μελέτη συνυπαρξής γενετικά τροποποιημένων με κανονικά φυτά στην Κύπρο (150.000 ευρώ). Από Κυπριακή Κυβέρνηση μετά από διεθνή διαγωνισμό (2009-2012).
- Συμβόλαιο με τη spin-off K-Meditura (105.000 ευρώ για 3 χρόνια) (2010-2013).
- Ενσωμάτωση φυσικών αντιμικροβιοτικών φυτικής προέλευσης σε κρεατοσκευάσματα υψηλής προστιθέμενης αξίας σε συνεργασία με την εταιρεία κρέατος Βογιατζόγλου (30000 ευρώ) (2011-2013).
- Εκτίμηση της αντιοξειδωτικής δράσης των εκχυλισμάτων βοστρύχων σταφυλιού -

Ενσωμάτωση εκχυλισμάτων βοστρύχων σταφυλιού σε προϊόντα αρτοποίας και εκτίμηση της in vivo αντιοξειδωτικής τους ικανότητας σε συνεργασία με τους Μύλους Καπλανίδη και το Οινοποιείο Ντούγκου (80000 ευρώ) (2010-2013)

- Μελέτη της αγροθρεπτικής ταυτότητας των τροφίμων σε συνεργασία με την εταιρεία Eat walk (60000 ευρώ) (2012-2014)
- Μελέτη βιοδεικτών οξειδωτικού στρες και μεταβολικό προφίλ σε ασθενείς (300000 ευρώ) (2012-2018)
- Επιδράσεις ενός προϊόντος που περιέχει υδατάνθρακες και πρωτεΐνες σε βιοδείκτες οξειδωτικού στρες μετά από χορήγηση σε αθλητές (ΕΣΠΑ, 45000 ευρώ) (2011-2014)
- Εκτίμηση οξειδωτικού στρες σε φυσιολογικές και παθοφυσιολογικές καταστάσεις με τη χρήση του διαγνωστικού συστήματος ORP της εταιρείας Luoxis (47000 ευρώ) (2013-2015)
- Μελέτη χημικής σύστασης και τοξικότητας υγρών που χρησιμοποιούνται στα ηλεκτρονικά τσιγάρα ('Ενωση Εταιρειών ηλεκτρονικού τσιγάρου; 756000 ευρώ) (2012-2018)
- Μελέτη βιοδραστικότητας βιολειτουργικών τροφίμων από σπιρουλίνα (20000 ευρώ) (2014-2017)
- Εκτίμηση οξειδωτικού στρες σε i) αθλητές, ii) σηπτικούς ασθενείς, iii) ασθενείς με διατροφικές διαταραχές, με τη χρήση των διαγνωστικών εξετάσεων ORP της εταιρείας Luoxis (προϋπολογισμός 45.000 ευρώ) (2014-2016)
- Μελέτη βιολειτουργικών ιδιοτήτων εκχυλισμάτων καφέ (45.000 ευρώ)
- Μελέτη βιολειτουργικών ιδιοτήτων εκχυλισμάτων ελαιολάδου από αγιορείτικο ελαιόλαδο (50.000 Ευρώ). Συνεργασία με την Οινοποιία Τσάνταλη, Ελλάδα (2016-2018)
- Βιολειτουργική Ανάπτυξη Τροφίμων από βοστρύχους σταφυλιού: Συνεργασία στο πλαίσιο της δράσης ΕΡΕΥΝΩ-ΚΑΙΝΟΤΟΜΩ-ΔΗΜΟΥΡΓΩ ΓΣτΕ, Ελλάδα (450.000 ευρώ), 2018-2020. ΕΠΙΣΤΗΜΟΝΙΚΟΣ ΥΠΕΥΘΥΝΟΣ
- Μελέτη της ποιότητας του ελληνικού κρέατος με συνδυασμό μοριακών και άλλων τεχνικών: Συνεργασία στο πλαίσιο της δράσης ΕΡΕΥΝΩ-ΚΑΙΝΟΤΟΜΩ-ΔΗΜΟΥΡΓΩ ΓΣτΕ, Ελλάδα (850.000 ευρώ), 2018-2020. ΕΤΑΙΡΟΣ
- Μελέτη GIS και αντιοξειδωτικό προφίλ κερασιών στην Ελλάδα, για την ανάπτυξη εργαλείου υψηλής προστιθέμενης αξίας ελληνικών προϊόντων: Συνεργασία στο πλαίσιο της δράσης ΕΡΕΥΝΩ-ΚΑΙΝΟΤΟΜΩ-ΔΗΜΟΥΡΓΩ ΓΣτΕ, Ελλάδα (400.000 ευρώ), 2018-2020. ΥΠΕΡΓΟΛΑΒΟΣ
- Γαλακτοκομικά προϊόντα υψηλής προστιθέμενης αξίας από εκμετάλλευση πολυφαινολών από απόβλητα νερού ελαιοτριβείων: Συνεργασία στο πλαίσιο της δράσης ΕΡΕΥΝΩ-ΚΑΙΝΟΤΟΜΩ-ΔΗΜΟΥΡΓΩ ΓΣτΕ, Ελλάδα (450.000 ευρώ), 2018-2020. ΥΠΕΡΓΟΛΑΒΟΣ
- Κέντρο δεξιοτήτων για φυσικά προϊόντα. Επιχειρηματικό Πρόγραμμα Ανταγωνιστικότητα, Επιχειρηματικότητα και Καινοτομία (2.600.000 ευρώ), 2021-2023. Εταίρος
- Αξιοποίηση των Ελαιοκομικών Προϊόντων / Συστατικών του Δελφικού Ελαιώνα και των Υποπροϊόντων τους για την Παραγωγή Βελτιωμένων Προϊόντων Κρέατος και αλλαντικών, (530.000 ευρώ), Επιχειρησιακό Πρόγραμμα «Στερεά Ελλάδα» 2020 – 2023. ΥΠΕΡΓΟΛΑΒΟΣ
- Αξιοποίηση υποπροϊόντων και απορριμάτων ελαίων, για παραγωγή καινοτόμων βιολειτουργικών ζωατροφών και ποιοτικών ζωικών προϊόντων. Συνεργασία στο πλαίσιο της δράσης ΕΡΕΥΝΩ-ΚΑΙΝΟΤΟΜΩ-ΔΗΜΟΥΡΓΩ ΓΣτΕ, Ελλάδα (990.000 ευρώ), 2021-2023. ΥΠΕΡΓΟΛΑΒΟΣ
- Αντιφλεγμονώδης δράση ενώσεων φυτικής προέλευσης (67.000 ευρώ), 2020-2022, Συνεργασία με Attica Sciences LTD
- Δοκιμή αναλόγων δεύτερης γενιάς GS27 σε κύτταρα HepG2, HeLa και καρκινικά κύτταρα παγκρέατος για να δοκιμαστεί η ικανότητά τους να μειώνουν το ένζυμο ACLY σε επίπεδο πρωτεΐνης και mRNA, καθώς και την κινάση p70S6 και να αυξάνουν την έκφραση του pAMPK, (240.000 ευρώ), 2020- 2022, Συνεργασία με την Attica Sciences LTD

Εκπαιδευόμενοι στο εργαστήριο

- Έργο Marie Skłodowska-Curie, Πρόγραμμα Έρευνας και Καινοτομίας της Ευρωπαϊκής Ένωσης Horizon Europe υπό τη συμφωνία επιχορήγησης 101061141 (300.000 ευρώ) (2022-2024)

Ολοκληρωμένες διδακτορικές διατριβές:

1. Δ. Στάγκος (2002-2006) Μελέτη βιολογικών ιδιοτήτων σε εκχυλίσματα και φυτικές πολυφαινόλες από ελληνικές ποικιλίες αμπέλου (*vitis vinifera*)
2. Χ. Σπάνου (2006-2010) Μελέτη βιολογικών ιδιοτήτων εκχυλισμάτων από διάφορες ποικιλίες ψυχανθών
3. Α. Βεσκούκης (2006-2010) Επίδραση της χορήγησης αλοπουρινόλης στο οξειδωτικό στρες κατά την άσκηση
4. A. El Hamitié (2009-2013) Regulation of protein kinases by Cdc37 and chaperone proteins.
5. Ε. Βαραμένη (2008-2012) Μεταβολές δεικτών οξειδωτικού στρες, φλεγμονής και αγγειογέννεσης κατά τη διάρκεια ενός ετήσιου προπονητικού κύκλου αθλητριών υδατοσφαρίσης υψηλού επιπέδου
6. Ε. Κερασιώτη (2011-2014) Επίδραση της χορήγησης σκευάσματος υδατανθράκων-πρωτεΐνων σε δείκτες οξειδωτικού στρες, φλεγμονής και υποξίας μετά από άσκηση σε ανθρώπους
7. Ν. Γκουτζουρέλας (2013-2016) Μελέτη της επίδρασης εκχυλισμάτων σταφυλιού σε μυϊκά και ενδοθηλιακά κύπταρα με συνδυασμό μοριακών τεχνικών
8. Κ. Γερασόπουλος (2013-2016) Αποτίμηση της αντιοξειδωτικής ικανότητας σε χοίρους και κοτόπουλα κρεατοπαραγωγής μετά από χορήγηση ζωατροφής με πολυφαινολικά πρόσθετα από απόβλητα ελαιοτριβείου
9. Σ. Μακρή (2014-2019) Αποτίμηση της αντιοξειδωτικής ικανότητας βιολειτουργικών ζωατροφών εμπλουτισμένων με υποπροϊόντα οινοποιείου και ελαιοτριβείου σε κοτόπουλα και πρόβατα κρεοπαραγωγής
10. Y. Σπανίδης (2015-2019) Αποτίμηση οξειδωτικού στρες *in vivo* με τη χρήση ενός νέου δείκτη οξειδοαναγωγικού δυναμικού σε φυσιολογικές και παθοφυσιολογικές συνθήκες
11. Α. Πρίφτης (2015-2019) Αποτίμηση της βιοδραστικότητας σε εκχυλίσματα καφέ
12. Π. Κούκα (2016). Αποτίμηση αντιοξειδωτικής ικανότητας ποικιλίας ελαιολάδου του Αγίου Όρους με συνδυασμό μοριακών τεχνικών
13. Π. Φουντουκίδου (2016). Μέτρηση δεικτών οξειδωτικού στρες σε ιστούς και αίμα αρουραίων μετά από χορήγηση μείγματος φυτοφαρμάκων και συντηρητικών τροφίμων σε μικρές δόσεις, για μεγάλο χρονικό διάστημα
14. Z. Σκαπέρδα (2018). Μελέτη δεικτών οξειδοαναγωγικής κατάστασης στο κρέας παραγωγικών ζώων.
15. Nikolaos Georgiadis (2018). In depth review analysis aiming to establish scientific regulatory criteria for the classification of chemical substances as cardiotoxins according to relevant EU legislation.

Σε εξέλιξη

1. Φ.Τέκος (2020). Μελέτη της βιολογικής δράσης γηγενών ποικιλιών οίνου, σε *in vitro* και *in vivo* συστήματα με τη χρήση μοριακών τεχνικών.
2. Π. Βαρδάκας (2020). Μελέτη της τοξικότητας νανοϋλικών και καινοτόμων υβριδικών υλικών *in vitro* και *in vivo* με συνδυασμό μοριακών τεχνικών.
3. Α. Πατούνα (2021). Μελέτη της βιολογικής δράσης γηγενών ποικιλιών μελιού *in vitro* με συνδυασμό μοριακών τεχνικών.
4. K. Τεριζή (2022). Μελέτη βιολογικής δράσης ποικιλιών βρώσιμης ελιάς και ελαιολάδων *in vitro* με συνδυασμό μοριακών τεχνικών

Μεταπυχιακοί φοιτητές: 104

Προπυχιακοί φοιτητές: 163

Δημοσιεύσεις σε διεθνή επιστημονικά περιοδικά με κριτές (h-index=63, αναφορές 12963)

1. Kouretas D, Papageorgiou A, Antonoglou O. Increased protective activity against acid precipitation of poly(U) in the serum of tumor-bearing mice. Anticancer Res. 1988 Nov-Dec;8(6):1307-11.
2. Kouretas D, Kountouras J, Tsapas G, Anastasiades N, Tsakiri I, Antonoglou O. Value of

- serum protective activity against acid precipitation of poly (U) in the differentiation between cirrhotic patients with and without hepatocellular carcinoma. *Anticancer Res.* 1990 Jul-Aug;10(4):1025-8.
3. **Kouretas D**, Trnovsky J, Holdridge M, Theoharides TC. Two-dimensional gel electrophoretic profile of rat basophilic leukemia (RBL) and mast cells. *Life Sci.* 1991;49(18):1289-94.
 4. **Kouretas D**, Karinch AM, Rishi A, Melchers K, Floros J. Conservation analysis of rat and human SP-A gene identifies 5' flanking sequences of rat SP-A that bind rat lung nuclear proteins. *Exp Lung Res.* 1993 Jul-Aug;19(4):485-503.
 5. **Kouretas D**, Vaitopoulos J, Petropoulos P, Antonoglou O. Characterization of the protein protecting RNA from Acid precipitation and its evaluation as tumor-marker in gastrointestinal and gynecological cancer. *Oncol Rep.* 1995 Nov;2(6):1107-13.
 6. **Kouretas D**, Voyatzis S, Sahpazidou D, Lazopoulos K, Antonoglou O. Enzymatic conversion of dihydrotestosterone from 3-keto to 3-enol form in the rat prostate. *Anticancer Res.* 1996 Sep-Oct;16(5A):2843-8.
 7. Kala P, Koptides M, Diangelo S, Hoover RR, Lin Z, Veletza V, **Kouretas D**, Floros J. Characterization of markers flanking the human SP-B locus. *Dis Markers.* 1997 Nov;13(3):153-67.
 8. **Kouretas D**, Antonoglou O. Ribonucleases protect RNA from acid precipitation. *Cell Mol Biol* (Noisy-le-grand). 1997 Dec;43(8):1181-90.
 9. Zeginiadou T, Kolias S, **Kouretas D**, Antonoglou O. Nonlinear binding of sex steroids to albumin and sex hormone binding globulin. *Eur J Drug Metab Pharmacokinet.* 1997 Jul-Sep;22(3):229-35.
 10. Papazisis KT, **Kouretas D**, Geromichalos GD, Sivridis E, Tsekrekis OK, Dimitriadis KA, Kortsaris AH. Effects of melatonin on proliferation of cancer cell lines. *J Pineal Res.* 1998 Dec;25(4):211-8.
 11. Taitzoglou IA, Tsantarliotou M, **Kouretas D**, Kokolis NA. Gossypol-induced inhibition of plasminogen activator activity in human and ovine acrosomal extract. *Andrologia.* 1999 Dec;31(6):355-9.
 12. Drmanovic Z, Voyatzis S, **Kouretas D**, Sahpazidou D, Papageorgiou A, Antonoglou O. Albumin possesses intrinsic enolase activity towards dihydrotestosterone which can differentiate benign from malignant breast tumors. *Anticancer Res.* 1999 Sep-Oct;19(5B):4113-24.
 13. **Kouretas D**, Laliotis V, Taitzoglou I, Georgellis A, Tsantarliotou M, Mougios V, Amiridis G, Antonoglou O. Sex-hormone binding globulin from sheep serum: purification and effects of pregnancy and treatment with exogenous estradiol. *Comp Biochem Physiol C Pharmacol Toxicol Endocrinol.* 1999 Jul;123(3):233-9.
 14. Nepka C, Asprodini E, **Kouretas D**. Tannins, xenobiotic metabolism and cancer chemoprevention in experimental animals. *Eur J Drug Metab Pharmacokinet.* 1999 Apr-Jun;24(2):183-9. Review.
 15. Georgellis A, Kolmodin-Hedman B, **Kouretas D**. Can traditional epidemiology detect cancer risks caused by occupational exposure to pesticides? *J Exp Clin Cancer Res.* 1999 Jun;18(2):159-66. Review.
 16. Mylonas C, **Kouretas D**. Lipid peroxidation and tissue damage. *In Vivo.* 1999 May-Jun;13(3):295-309. Review.
 17. Nepka C, Sivridis E, Antonoglou O, Kortsaris A, Georgellis A, Taitzoglou I, Hytioglou P, Papadimitriou C, Zintzaras I, **Kouretas D**. Chemopreventive activity of very low dose dietary tannic acid administration in hepatoma bearing C3H male mice. *Cancer Lett.* 1999 Jul 1;141(1-2):57-62.
 18. **Kouretas D**. More on music therapy with children during invasive procedures. *J Emerg Nurs.* 1999 Jun;25(3):167. No abstract available.
 19. **Kouretas D**, Taitzoglou I. Dexamethasone has a biphasic effect on the c-Jun mRNA expression in the fetal and adult rat lung, *in vivo*. *Cell Mol Biol* (Noisy-le-grand). 1999 Mar;45(2):219-23.
 20. Papazisis KT, Geromichalos GD, **Kouretas D**, Dimitriadis KA, Kortsaris AH. CDK-inhibitor olomoucine inhibits cell death after exposure of cell lines to cytosine-arabinoside. *Cancer Lett.* 1999 Apr 26;138(1-2):221-6. Erratum in: *Cancer Lett.* 2000 Feb 28;149(1-2):227.
 21. Taitzoglou IA, Tsantarliotou MP, Nepka C, Zervos I, Maltezos E, **Kouretas D**, Kokolis NA. Dietary administration of tannic acid lowers plasminogen activator activity in the liver of C3H

- hepatoma bearing male mice. *In Vivo*. 2000 Nov-Dec;14(6):767-71.
22. Margaritopoulos JT, **Kouretas D**, Tsitsipis JA. A modified method for the detection of differentially expressed mRNAs without using radioactivity. *In Vivo*. 2001 May-Jun;15(3):245-7.
 23. Tsamis V, Mamuris Z, Panagiotaki P, **Kouretas D**. Proteins from fish eggs that protect DNA from acid precipitation and inhibit DNA synthesis. *Comp Biochem Physiol C Toxicol Pharmacol*. 2001 Aug;129(4):369-76.
 24. Tsitsimpikou C, Spyridaki MH, Georgoulakis I, **Kouretas D**, Konstantinidou M, Georgakopoulos CG. Elimination profiles of flurbiprofen and its metabolites in equine urine for doping analysis. *Talanta*. 2001 Dec 24;55(6):1173-80.
 25. **Kouretas D**, Mamuris Z, Stamatis C, Rodriguez-Burgos A, Tsamis V, Neofitou C. Isolation and characterization of a protein from Mendole (*Spicara maena*) eggs that binds to DNA and inhibits its replication as well as its acid precipitation. *In Vivo*. 2001 Jan-Feb;15(1):49-52.
 26. Taitzoglou IA, Tsantarliotou M, Zervos I, **Kouretas D**, Kokolis NA. Inhibition of human and ovine acrosomal enzymes by tannic acid in vitro. *Reproduction*. 2001 Jan;121(1):131-7.
 27. Dakis D, **Kouretas D**. Differential display of m-RNAs in fish gonads by modified DD-PCR. *In Vivo*. 2002 Mar-Apr;16(2):103-5.
 28. Khah EM, **Kouretas D**. Influence of storage conditions on protein profile of pepper seeds, analyzed by SDS-PAGE. *In Vivo*. 2003 May-Jun;17(3):259-60.
 29. Panoutsopoulos GI, **Kouretas D**, Gounaris EG, Beedham C. Enzymatic oxidation of 2-phenylethylamine to phenylacetic acid and 2-phenylethanol with special reference to the metabolism of its intermediate phenylacetaldehyde. *Basic Clin Pharmacol Toxicol*. 2004 Dec;95(6):273-9.
 30. Panoutsopoulos GI, **Kouretas D**, Beedham C. Contribution of aldehyde oxidase, xanthine oxidase, and aldehyde dehydrogenase on the oxidation of aromatic aldehydes. *Chem Res Toxicol*. 2004 Oct;17(10):1368-76.
 31. Panoutsopoulos GI, **Kouretas D**, Gounaris EG, Beedham C. Metabolism of 2-phenylethylamine and phenylacetaldehyde by precision-cut guinea pig fresh liver slices. *Eur J Drug Metab Pharmacokinet*. 2004 Apr-Jun;29(2):111-8.
 32. Jamurtas AZ, Koutedakis Y, Paschalis V, Tofas T, Yfanti C, Tsiokanos A, Koukoulis G, **Kouretas D**, Loupos D. The effects of a single bout of exercise on resting energy expenditure and respiratory exchange ratio. *Eur J Appl Physiol*. 2004 Aug;92(4-5):393-8. Epub 2004 Jun 17.
 33. Stagos D, Kouris S, **Kouretas D**. Plant phenolics protect from bleomycin-induced oxidative stress and mutagenicity in *Salmonella typhimurium* TA102. *Anticancer Res*. 2004 Mar-Apr;24(2B):743-5.
 34. Spyridaki MH, Lyris E, Georgoulakis I, **Kouretas D**, Konstantinidou M, Georgakopoulos CG. Determination of xylazine and its metabolites by GC-MS in equine urine for doping analysis. *J Pharm Biomed Anal*. 2004 Apr 1;35(1):107-16.
 35. Stagos D., Karaberis E., **Kouretas D**. Assessment of antioxidant/ anticarcinogenic activity of plant extracts by a combination of molecular methods. *In Vivo* (2005), 19:741-747.
 36. Stagos D., Kazantzoglou G., Magiatis P., Mitaku S., Anagnostopoulos K., Kouretas D. Effects of plant phenolics and grape extracts from Greek varieties of *Vitis vinifera* on Mitomycin C and topoisomerase I-induced nicking of DNA. *International Journal of Molecular Medicine* (2005), 15:1013-1022.
 37. Stagos D., Kazantzoglou G., Theofanidou D., Kakalopoulou G., Magiatis P., Mitaku S., Kouretas D. Activity of grape extracts from Greek varieties of *Vitis vinifera* against mutagenicity induced by bleomycin and hydrogen peroxide in *Salmonella typhimurium* TA102. *Mutation Research* (2006), 609:165-175.
 38. Nikolaidis MG, Jamurtas AZ, Paschalis V, Kostaropoulos IA, Kladi-Skandali A, Balamitsi V, Koutedakis Y, **Kouretas D**. Exercise-induced oxidative stress in G6PD-deficient individuals. *Med Sci Sports Exerc*. 2006 38(8):1443-50.
 39. Fatouros IG, Destouni A, Margonis K, Jamurtas AZ, Vrettou C, **Kouretas D**, Mastorakos G, Mitrakou A, Taxildaris K, Kanavakis E, Papassotiriou I. Cell-free plasma DNA as a novel marker of aseptic inflammation severity related to exercise overtraining. *Clin Chem*. 2006 52(9):1820-4.
 40. Jamurtas AZ, Theocharis V, Koukoulis G, Stakias N, Fatouros IG, **Kouretas D**, Koutedakis Y. The effects of acute exercise on serum adiponectin and resistin levels and their relation to

- insulin sensitivity in overweight males. *Eur J Appl Physiol*. 2006;97(1):122-6.
41. Kostaropoulos IA, Nikolaidis MG, Jamurtas AZ, Ikonomou GV, Makrygiannis V, Papadopoulos G, **Kouretas D**. Comparison of the blood redox status between long-distance and short-distance runners. *Physiol Res*. 2006;55(6):611-6.
 42. Veskoukis A.S., **Kouretas D**, Panoutsopoulos G.I. Substrate specificity of guinea pig liver aldehyde oxidase and bovine milk xanthine oxidase for methyl- and nitrobenzaldehydes. *Eur J Drug Metab Pharmacokinet*. (2006) Jan-Mar; 31(1):11-6.
 43. Stagos D., Umstead T.M., Phelps D.S., Skaltsounis L., Charoutounian S., Floros J., **Kouretas D**. Inhibition of ozone-induced SP-A oxidation by plant polyphenols. *Free Radical Research* (2007), 41(3):357-366.
 44. Kyparos A, Salonikidis K, Nikolaidis MG, **Kouretas D**. Short duration exhaustive aerobic exercise induces oxidative stress: a novel play-oriented volitional fatigue test. *J Sports Med Phys Fitness*. 2007;47(4):483-90.
 45. Stagos D., Spanou C., Margariti M., Stathopoulos C., Mamuris Z., Kazantzoglou G., Magiatis P., **Kouretas D**. Cytogenetic effects of grape extracts and plant polyphenols on MMC-induced SCEs in human blood lymphocytes. *Journal of Agricultural and Food Chemistry* (2007), 55:5246-5252.
 46. Gougoura S, Nikolaidis MG, Kostaropoulos IA, Jamurtas AZ, Koukoulis G, **Kouretas D**. Increased oxidative stress indices in the blood of child swimmers. *Eur J Appl Physiol*. 2007;100(2):235-9.
 47. Paschalis V, Nikolaidis MG, Fatouros IG, Giakas G, Koutedakis Y, Karatzafiri C, **Kouretas D**, Jamurtas AZ. Uniform and prolonged changes in blood oxidative stress after muscle-damaging exercise. *In Vivo*. 2007;21(5):877-83.
 48. Metsios GS, Flouris AD, Jamurtas AZ, Carrillo AE, **Kouretas D**, Germenis AE, Gourgoulianis K, Kiropoulos T, Tzatzarakis MN, Tsatsakis AM, Koutedakis Y. A brief exposure to moderate passive smoke increases metabolism and thyroid hormone secretion. *J Clin Endocrinol Metab*. 2007 Jan;92(1):208-11. Epub 2006 Oct 31.
 49. Nikolaidis MG, Kyparos A, Hadzioannou M, Panou N, Samaras L, Jamurtas AZ, **Kouretas D**. Acute exercise markedly increases blood oxidative stress in boys and girls. *Appl Physiol Nutr Metab*. 2007;32(2):197-205.
 50. Psocchiou E, Mamuris Z, Panagiotaki P, **Kouretas D**, Moutou KA. The response of digestive proteases to abrupt salinity decrease in the euryhaline sparid Sparus aurata L. *Comp Biochem Physiol B Biochem Mol Biol*. 2007 Jun;147(2):156-63. Epub 2007 Mar 3.
 51. Nikolaidis MG, Paschalis V, Giakas G, Fatouros IG, Koutedakis Y, **Kouretas D**, Jamurtas AZ. Decreased blood oxidative stress after repeated muscle-damaging exercise. *Med Sci Sports Exerc*. 2007;39(7):1080-9.
 52. Michailidis Y, Jamurtas AZ, Nikolaidis MG, Fatouros IG, Koutedakis Y, Papassotiriou I, **Kouretas D**. Sampling time is crucial for measurement of aerobic exercise-induced oxidative stress. *Med Sci Sports Exerc*. 2007;39(7):1107-13.
 53. Margonis K, Fatouros IG, Jamurtas AZ, Nikolaidis MG, Douroudos I, Chatzinikolaou A, Mitrikou A, Mastorakos G, Papassotiriou I, Taxildaris K, **Kouretas D**. Oxidative stress biomarkers responses to physical overtraining: implications for diagnosis. *Free Radic Biol Med*. 2007 Sep 15;43(6):901-10. Epub 2007 May 23. Erratum in: *Free Radic Biol Med*. 2008 Jun 15;44(12):2058.
 54. Spanou C, Stagos D, Tousias L, Angelis A, Alijannis N, Skaltsounis AL, **Kouretas D**. Assessment of antioxidant activity of extracts from unique Greek varieties of Leguminosae plants using in vitro assays. *Anticancer Res*. 2007 Sep-Oct;27(5A):3403-10.
 55. Nikolaidis MG, Jamurtas AZ, Paschalis V, Fatouros IG, Koutedakis Y, **Kouretas D**. The effect of muscle-damaging exercise on blood and skeletal muscle oxidative stress: magnitude and time-course considerations. *Sports Med*. 2008;38(7):579-606.
 56. S. Veskoukis, M. G. Nikolaidis, A. Kyparos, D. Kokkinos, C. Nepka, S. Barbanis and **D. Kouretas**, Effects of xanthine oxidase inhibition on oxidative stress and swimming performance in rats, 2008, *Appl. Physiol. Nutr. Metab.*, 33: 1140-1154.
 57. Spanou, N. Alijannis, A-L. Skaltsounis and **D. Kouretas**, Effect of Leguminosae family plant extracts and polyphenolic fractions on Topoisomerase I-induced nicking of DNA, 2008, *Review of Clinical Pharmacology and Pharmacokinetics*, 22 (2): 336-338.
 58. Veskoukis, A.S., Nikolaidis, M.G., Kyparos, A., Kokkinos, D., Varamenti, E., **Kouretas, D**. The effect of allopurinol on protein carbonyls and swimming performance in rats. *Review of Clinical*

- Pharmacology and Pharmacokinetics, 2008 22(2):360-362.
59. Spanou C, Bourou G, Dervishi A, Aligiannis N, Angelis A, Komiotis D, Skaltsounis AL, **Kouretas D**. Antioxidant and chemopreventive properties of polyphenolic compounds derived from Greek legume plant extracts. *J Agric Food Chem.* 2008 Aug 27;56(16):6967-76. doi: 10.1021/jf800842p. Epub 2008 Jul 16.
 60. Kyparos A, Vrabas IS, Nikolaidis MG, Riganas CS, **Kouretas D**. Increased oxidative stress blood markers in well-trained rowers following two thousand-meter rowing ergometer race. *J Strength Cond Res.* 2009 23(5):1418-26.
 61. Kabasakalis A, Kalitsis K, Nikolaidis MG, Tsallis G, **Kouretas D**, Loupos D, Mougios V. Redox, iron, and nutritional status of children during swimming training. *J Sci Med Sport.* 2009 12(6):691-6.
 62. Veskoukis AS, Nikolaidis MG, Kyparos A, **Kouretas D**. Blood reflects tissue oxidative stress depending on biomarker and tissue studied. *Free Radic Biol Med.* 2009 47(10):1371-4.
 63. Fatouros IG, Chatzinikolaou A, Douroudos II, Nikolaidis MG, Kyparos A, Margonis K, Michailidis Y, Vantarakis A, Taxildaris K, Katrabasas I, Mandalidis D, **Kouretas D**, Jamurtas AZ. Time-course of changes in oxidative stress and antioxidant status responses following a soccer game. *J Strength Cond Res.* 2010 Dec;24(12):3278-86. doi: 10.1519/JSC.0b013e3181b60444.
 64. Kalafati M, Jamurtas AZ, Nikolaidis MG, Paschalis V, Theodorou AA, Sakellariou GK, Koutedakis Y, **Kouretas D**. Ergogenic and antioxidant effects of spirulina supplementation in humans. *Med Sci Sports Exerc.* 2010 Jan;42(1):142-51. doi: 10.1249/MSS.0b013e3181ac7a45.
 65. Spanou C, Stagos D, Aligiannis N, **Kouretas D**. Influence of potent antioxidant leguminosae family plant extracts on growth and antioxidant defense system of Hep2 cancer cell line. *J Med Food.* 2010 Feb;13(1):149-55. doi: 10.1089/jmf.2009.0058.
 66. Veskoukis AS, Kyparos A, Stagos D, **Kouretas D**. Differential effects of xanthine oxidase inhibition and exercise on albumin concentration in rat tissues. *Appl Physiol Nutr Metab.* 2010 Jun;35(3):244-50. doi: 10.1139/H10-013.
 67. Fatouros IG, Jamurtas AZ, Nikolaidis MG, Destouni A, Michailidis Y, Vrettou C, Douroudos II, Avloniti A, Chatzinikolaou A, Taxildaris K, Kanavakis E, Papassotiriou I, **Kouretas D**. Time of sampling is crucial for measurement of cell-free plasma DNA following acute aseptic inflammation induced by exercise. *Clin Biochem.* 2010 Nov;43(16-17):1368-70. doi: 10.1016/j.clinbiochem.2010.08.020. Epub 2010 Aug 25.
 68. Kabasakalis A, Kyparos A, Tsallis G, Loupos D, Pavlidou A, **Kouretas D**. Blood oxidative stress markers after ultramarathon swimming. *J Strength Cond Res.* 2011 Mar;25(3):805-11. doi: 10.1519/JSC.0b013e3181d0b109.
 69. Spanou C, Veskoukis AS, Stagos D, Liadaki K, Anastasiadi M, Haroutounian SA, Tsouka M, Tzanakouli E, **Kouretas D**. Effects of grape extracts on the in vitro activity of enzymes involved in oxidative stress regulation. *In Vivo.* 2011 Jul-Aug;25(4):657-62.
 70. Tsarouhas K, Karatzafeir C, Tsitsimpikou C, Haliassos A, **Kouretas D**, Pavlidis P, Veskoukis A, Adamopoulos S, Kyriakides Z, Constantinou L, Koutedakis Y, Rentoukas E. Effects of walking on heart rate recovery, endothelium modulators and quality of life in patients with heart failure. *Eur J Cardiovasc Prev Rehabil.* 2011 Aug;18(4):594-600. doi: 10.1177/1741826710397099. Epub 2011 Feb 25.
 71. Tsitsimpikou C, **Kouretas D**, Tsarouhas K, Fitch K, Spandidos DA, Tsatsakis A. Applications and biomonitoring issues of recombinant erythropoietins for doping control. *Ther Drug Monit.* 2011 Feb;33(1):3-13. doi: 10.1097/FTD.0b013e31820032c4. Review.
 72. Kyparos A, Riganas C, Nikolaidis MG, Sampanis M, Koskolou MD, Grivas GV, **Kouretas D**, Vrabas IS. The effect of exercise-induced hypoxemia on blood redox status in well-trained rowers. *Eur J Appl Physiol.* 2012 Jun;112(6):2073-83. doi: 10.1007/s00421-011-2175-x. Epub 2011 Sep 27.
 73. Tselepi M, Papachristou E, Emmanouilidi A, Angelis A, Aligiannis N, Skaltsounis AL, **Kouretas D**, Liadaki K. Catalytic inhibition of eukaryotic topoisomerases I and II by flavonol glycosides extracted from *Vicia faba* and *Lotus edulis*. *J Nat Prod.* 2011 Nov 28;74(11):2362-70. doi: 10.1021/hp200292u. Epub 2011 Oct 20.
 74. Tsarouhas K, Tsitsimpikou C, Haliassos A, Georgoulias P, Koutsioras I, **Kouretas D**, Kogias J, Liosis I, Rentoukas E, Kyriakides Z. Study of insulin resistance, TNF- α , total antioxidant capacity and lipid profile in patients with chronic heart failure under exercise. *In Vivo.* 2011

Nov-Dec;25(6):1031-7.

75. Veskoukis AS, Kyparos A, Nikolaidis MG, Stagos D, Aligiannis N, Halabalaki M, Chronis K, Goutzourelas N, Skaltsounis L, **Kouretas D**. The antioxidant effects of a polyphenol-rich grape pomace extract in vitro do not correspond in vivo using exercise as an oxidant stimulus. *Oxid Med Cell Longev*. 2012;2012:185867. doi: 10.1155/2012/185867. Epub 2012 May 29
76. Ntalapascha M, Makris D, Kyparos A, Tsilioni I, Kostikas K, Gourgoulianis K, **Kouretas D**, Zakynthinos E. Oxidative stress in patients with obstructive sleep apnea syndrome. *Sleep Breath*. 2012 in press.
77. Rentoukas E, Tsarouhas K, Kaplanis I, Korou E, Nikolaou M, Marathonitis G, Kokkinou S, Haliassos A, Mamalaki A, **Kouretas D**, Tsitsimpikou C. Connection between telomerase activity in PBMC and markers of inflammation and endothelial dysfunction in patients with metabolic syndrome. *PLoS One*. 2012 7(4):e35739.
78. Kerasioti E, Kiskini A, Veskoukis A, Jamurtas A, Tsitsimpikou C, Tsatsakis AM, Koutedakis Y, Stagos D, **Kouretas D**, Karathanos V. Effect of a special carbohydrate-protein cake on oxidative stress markers after exhaustive cycling in humans. *Food Chem. Toxicol.* 2012 50(8): 2805-10.
79. Stagos D, Amoutzias GD, Matakos A, Spyrou A, Tsatsakis AM, **Kouretas D**. Chemoprevention of liver cancer by plant polyphenols. *Food Chem. Toxicol.* 2012 50(6): 2155-70.
80. Spanou C, Veskoukis AS, Kerasioti T, Kontou M, Angelis A, Aligiannis N, Skaltsounis AL, **Kouretas D**. Flavonoid glycosides isolated from unique legume plant extracts as novel inhibitors of xanthine oxidase. *PLoS One*. 2012 7(3):e32214.
81. Yfanti C, Fischer CP, Nielsen S, Åkerström T, Nielsen AR, Veskoukis AS, **Kouretas D**, Lykkesfeldt J, Pilegaard H, Pedersen BK. Role of vitamin C and E supplementation on IL-6 in response to training. *J. Appl. Physiol.* 2012 112(6): 990-1000.
82. Spanou CI, Veskoukis AS, Stagos D, Liadaki K, Aligiannis N, Angelis A, Skaltsounis AL, Anastasiadi M, Haroutounian SA, **Kouretas D**. Effects of Greek legume plant extracts on xanthine oxidase, catalase and superoxide dismutase activities. *J. Physiol. Biochem.* 2012 68(1): 37-45.
83. Veskoukis AS, Tsatsakis AM, **Kouretas D**. Dietary oxidative stress and antioxidant defense with an emphasis on plant extract administration. *Cell Stress Chaperones*. 2012 17(1): 11-21.
84. Flouris AD, Poulianiti KP, Chorti MS, Jamurtas AZ, **Kouretas D**, Owolabi EO, Tzatzarakis MN, Tsatsakis AM, Koutedakis Y. Acute effects of electronic and tobacco cigarette smoking on complete blood count. *Food Chem Toxicol.* 2012 50(10):3600-3.
85. Stagos D, Portesis N, Spanou C, Mossialos D, Aligiannis N, Chaita E, Panagoulis C, Reri E, Skaltsounis L, Tsatsakis AM, **Kouretas D**. Correlation of total polyphenolic content with antioxidant and antibacterial activity of 24 extracts from Greek domestic Lamiaceae species. *Food Chem. Toxicol.* 2012 50(11):4115-24.
86. Aggeloussi S, Theodorou AA, Paschalidis V, Nikolaidis MG, Fatouros IG, Owolabi EO, **Kouretas D**, Koutedakis Y, Jamurtas AZ. Adipocytokine levels in children: effects of fatness and training. *Pediatr. Exerc. Sci.* 2012 24(3):461-71.
87. Tsitsimpikou C, Tzatzarakis M, Fragiadaki P, Kovatsi L, Stivaktakis P, Kalogeraki A, **Kouretas D**, Tsatsakis AM. Histopathological lesions, oxidative stress and genotoxic effects in liver and kidneys following long term exposure of rabbits to diazinon and propoxur. *Toxicol.* 2013. 10(307):109-14
88. Varamenti EI, Kyparos A, Veskoukis AS, Bakou M, Kalaboka S, Jamurtas AZ, Koutedakis Y, **Kouretas D**. Oxidative stress, inflammation and angiogenesis markers in elite female water polo athletes throughout a season. *Food Chem. Toxicol.* 2013. 61:3-8.
89. Kerasioti E, Stagos D, Jamurtas A, Kiskini A, Koutedakis Y, Goutzourelas N, Pournaras S, Tsatsakis AM, **Kouretas D**. Anti-inflammatory effects of a special carbohydrate-whey protein cake after exhaustive cycling in humans. *Food Chem. Toxicol.* 2013. 61:42-6
90. Apostolou A, Stagos D, Galitsiou E, Spyrou A, Haroutounian S, Portesis N, Trizoglou I, Wallace Hayes A, Tsatsakis AM, **Kouretas D**. Assessment of polyphenolic content, antioxidant activity, protection against ROS-induced DNA damage and anticancer activity of *Vitis vinifera* stem extracts. *Food Chem Toxicol.* 2013 61:60-8.
91. Georgakouli K, Deli CK, Zalavras A, Fatouros IG, **Kouretas D**, Koutedakis Y, Jamurtas AZ. A-lipoic acid supplementation up-regulates antioxidant capacity in adults with G6PD deficiency. *Food Chem Toxicol.* 2013 ;61:69-73.
92. Hart N, Sarga L, Csende Z, Koltai E, Koch LG, Britton SL, Davies KJ, **Kouretas D**, Wessner B,

- Radak Z. Resveratrol enhances exercise training responses in rats selectively bred for high running performance. *Food Chem Toxicol.* 2013;61:53-9.
93. Kerksick CM, Willoughby D, **Kouretas D**, Tsatsakis A. Intramuscular responses with muscle damaging exercise and the interplay between multiple intracellular networks: a human perspective. *Food Chem Toxicol.* 2013;61:136-43.
 94. Nikitovic D, Corsini E, **Kouretas D**, Tsatsakis A, Tzanakakis G. ROS-major mediators of extracellular matrix remodeling during tumor progression. *Food Chem Toxicol.* 2013;61:178-86.
 95. Gubandru M, Margini D, Tsitsimpikou C, Goutzourelas N, Tsarouhas K, Ilie M, Tsatsakis AM, **Kouretas D**. Alzheimer's disease treated patients showed different patterns for oxidative stress and inflammation markers. *Food Chem Toxicol.* 2013;61:209-14.
 96. Petridis L, Jamurtas AZ, Veskoukis A, **Kouretas D**. The effects of a water polo game on the blood redox status of male water polo players. *J Sports Med Phys Fitness.* 2013;53(5):551-8.
 97. Juránek I, Nikitovic D, **Kouretas D**, Hayes AW, Tsatsakis AM. Biological importance of reactive oxygen species in relation to difficulties of treating pathologies involving oxidative stress by exogenous antioxidants. *Food Chem Toxicol.* 2013;61:240-7.
 98. **Kouretas D**, Tsatsakis AM, Domingo JL, Wallace Hayes A. Mechanisms involved in oxidative stress regulation. *Food Chem Toxicol.* 2013;61:1-2.
 99. Sahpazidou D, Geromichalos GD, Stagos D, Apostolou A, Haroutounian SA, Tsatsakis AM, Tzanakakis GN, Hayes AW, **Kouretas D**. Anticarcinogenic activity of polyphenolic extracts from grape stems against breast, colon, renal and thyroid cancer cells. *Toxicol Lett.* 2014;14(14)0062-9.
 100. Kantsadi AL, Apostolou A, Theofanous S, Stravodimos GA, Kyriakis E, Gorgojetas VA, Chatzileontiadou DS, Pediou K, Skamnaki VT, Stagos D, **Kouretas D**, Psarra AM, Haroutounian SA, Leonidas DD. Biochemical and biological assessment of the inhibitory potency of extracts from vinification byproducts of *Vitis vinifera* extracts against glycogen phosphorylase. *Food Chem Toxicol.* 2014;67:35-43.
 101. Kerasioti E, Stagos D, Priftis A, Avazidis S, Tsatsakis AM, Hayes AW, **Kouretas D**. Antioxidant effects of whey protein on muscle C2C12 cells. *Food Chem.* 2014;15;155:271-8.
 102. Pechlivanis A, Chatzioannou AC, Veskoukis AS, **Kouretas D**, Mougios V, Theodoridis GA. GC-MS analysis of blood for the metabonomic investigation of the effects of physical exercise and allopurinol administration on rats. *J Chromatogr B Analyt Technol Biomed Life Sci.* 2014;1;966:127-31.
 103. Samaras A, Tsarouhas K, Paschalidis E, Giamouzis G, Triposkiadis F, Tsitsimpikou C, Becker AT, Goutzourelas N, **Kouretas D**. Effect of a special carbohydrate-protein bar and tomato juice supplementation on oxidative stress markers and vascular endothelial dynamics in ultra-marathon runners. *Food Chem Toxicol.* 2014;69:231-6.
 104. Zafiroopoulos A, Tsarouhas K, Tsitsimpikou C, Fragkiadaki P, Germanakis I, Tsardi M, Maravgakis G, Goutzourelas N, Vasilaki F, **Kouretas D**, Hayes A, Tsatsakis A. Cardiotoxicity in rabbits after a low-level exposure to diazinon, propoxur, and chlorpyrifos. *Hum Exp Toxicol.* 2014. [Epub ahead of print].
 105. Manthou E, Kanaki M, Georgakouli K, Deli CK, **Kouretas D**, Koutedakis Y, Jamurtas AZ. Glycemic response of a carbohydrate-protein bar with ewe-goat whey. *Nutrients.* 2014;12;6(6):2240-50.
 106. Matthaiou CM, Goutzourelas N, Stagos D, Sarafoglou E, Jamurtas A, Koulocheri SD, Haroutounian SA, Tsatsakis AM, **Kouretas D**. Pomegranate juice consumption increases GSH levels and reduces lipid and protein oxidation in human blood. *Food Chem Toxicol.* 2014;1;73C:1-6. [Epub ahead of print].
 107. Kolyva AS, Zolota V, Mpatsoulis D, Skroubis G, Solomou EE, Habeos IG, Assimakopoulos SF, Goutzourelas N, **Kouretas D**, Gogos CA. The role of obesity in the immune response during sepsis. *Nutr Diabetes.* 2014;4:e137.
 108. Goutzourelas N, Stagos D, Demertzis N, Mavridou P, Karteroli H, Georgadakis S, Kerasioti E, Aligiannis N, Skaltsounis L, Statiri A, Tsoutsouli A, Tsatsakis AM, Hayes AW, **Kouretas D**. Effects of polyphenolic grape extract on the oxidative status of muscle and endothelial cells. *Hum Exp Toxicol.* 2014;33(11):1099-112.
 109. Goutzourelas N, Stagos D, Housmekeridou A, Karapouliou C, Kerasioti E, Aligiannis N, Skaltsounis AL, Spandidos DA, Tsatsakis AM, **Kouretas D**. Grape pomace extract exerts

antioxidant effects through an increase in GCS levels and GST activity in muscle and endothelial cells. *Int J Mol Med.* 2015;36(2):433-41.

110. Margină D, Ilie M, Grădinaru D, Androutsopoulos VP, **Kouretas D**, Tsatsakis AM. Natural products-friends or foes? *Toxicol Lett.* 2015 Aug 5;236(3):154-67.
111. Stagos D, Goutzourelas N, Ntontou AM, Kafantaris I, Deli CK, Poulios A, Jamurtas AZ, Bar-Or D, **Kouretas D**. Assessment of eccentric exercise-induced oxidative stress using oxidation-reduction potential markers. *Oxid Med Cell Longev.* 2015;2015:204615.
112. Kavvalakis MP, Stivaktakis PD, Tzatzarakis MN, **Kouretas D**, Liesivuori J, Alegakis AK, Vynias D, Tsatsakis AM. Multicomponent analysis of replacement liquids of electronic cigarettes using chromatographic techniques. *J Anal Toxicol.* 2015;39(4):262-9.
113. Stagos D, Apostolou A, Poulios E, Kermeliotou E, Mpatzilioti A, Kreatsouli K, Koulocheri SD, Haroutounian SA, **Kouretas D**. Antiangiogenic potential of grape stem extract through inhibition of vascular endothelial growth factor expression. *J Physiol Pharmacol.* 2014;65(6):843-52.
114. Stagos D, Goutzourelas N, Bar-Or D, Ntontou AM, Bella E, Becker AT, Statiri A, Kafantaris I, **Kouretas D**. Application of a new oxidation-reduction potential assessment method in strenuous exercise-induced oxidative stress. *Redox Rep.* 2015;20(4):154-62.
115. Kerksick CM, Tsatsakis AM, Hayes AW, Kafantaris I, **Kouretas D**. How can bioinformatics and toxicogenomics assist the next generation of research on physical exercise and athletic performance. *J Strength Cond Res.* 2015;29(1):270-8.
116. Georgakouli, K., Manthou, E., Fatouros, I. G., Deli, C. K., Spandidos, D. A., Tsatsakis, A. M., Jamurtas, A. Z., **Kouretas, D.** Effects of acute exercise on liver function and blood redox status in heavy drinkers. *Experimental and Therapeutic Medicine.* 2015;10(6), 2015–2022.
117. Gerasopoulos, K., Stagos, D., Kokkas, S., Petrotos, K., Kantas, D., Goulas, P., **Kouretas, D.** Feed supplemented with byproducts from olive oil mill wastewater processing increases antioxidant capacity in broiler chickens. *Food and Chemical Toxicology : An International Journal Published for the British Industrial Biological Research Association.* 2015; 82, 42–49.
118. Gerasopoulos, K., Stagos, D., Petrotos, K., Kokkas, S., Kantas, D., Goulas, P., **Kouretas, D.** Feed supplemented with polyphenolic byproduct from olive mill wastewater processing improves the redox status in blood and tissues of piglets. *Food and Chemical Toxicology : An International Journal Published for the British Industrial Biological Research Association.* 2015, 86, 319–327.
119. Goutzourelas, N., Stagos, D., Spanidis, Y., Liosi, M., Apostolou, A., Priftis, A., **Kouretas, D.** Polyphenolic composition of grape stem extracts affects antioxidant activity in endothelial and muscle cells. *Molecular Medicine Reports.* 2015, 12(4), 5846–5856.
120. Priftis, A., Stagos, D., Konstantinopoulos, K., Tsitsimpikou, C., Spandidos, D. A., Tsatsakis, A. M., **Kouretas, D.** Comparison of antioxidant activity between green and roasted coffee beans using molecular methods. *Molecular Medicine Reports.* 2015, 12(5), 7293–7302.
121. Spanidis, Y., Goutzourelas, N., Stagos, D., Kolyva, A. S., Gogos, C. A., Bar-Or, D., & **Kouretas, D.** Assessment of Oxidative Stress in Septic and Obese Patients Using Markers of Oxidation-reduction Potential. *In Vivo.* 2015, 29(5), 595–600.
122. Vasilaki, F., Tsitsimpikou, C., Tsarouhas, K., Germanakis, I., Tzardi, M., Kavvalakis, M., **Kouretas, D.**, Tsatsakis, A. M. Cardiotoxicity in rabbits after long-term nandrolone decanoate administration. *Toxicology Letters.* 2016, 241, 143–151.
123. Kerasioti E, Stagos D, Tzimi A, **Kouretas D**. Increase in antioxidant activity by sheep/goat whey protein through nuclear factor-like 2 (Nrf2) is cell type dependent. *Food Chem Toxicol.* 2016 Nov;97:47-56. doi: 10.1016/j.fct.2016.08.022. Epub 2016 Aug 20
124. Kafantaris I, Kotsampasi B, Christodoulou V, Kokka E, Kouka P, Terzopoulou Z, Gerasopoulos K, Stagos D, Mitsagga C, Giavasis I, Makri S, Petrotos K, **Kouretas D**. Grape

- pomace improves antioxidant capacity and faecal microflora of lambs. *J Anim Physiol Anim Nutr (Berl)*. 2017 Oct;101(5):e108-e121. doi: 10.1111/jpn.12569. Epub 2016 Oct 18.
125. Priftis A, Stagos D, Tzioumakis N, Konstantopoulos K, Patouna A, Papadopoulos GE, Tsatsakis A, **Kouretas D**. Development and Validation of a Kit to Measure Drink Antioxidant Capacity Using a Novel Colorimeter. *Molecules*. 2016 Aug 30;21(9). pii: E1154. doi: 10.3390/molecules21091154.
126. Tsitsimpikou C, Vasilaki F, Tsarouhas K, Fragkiadaki P, Tzardi M, Goutzourelas N, Nepka C, Kalogeraki A, Heretis I, Epitropaki Z, **Kouretas D**, Tsatsakis AM. Nephrotoxicity in rabbits after long-term nandrolone decanoate administration. *Toxicol Lett*. 2016 Sep 30;259:21-7. doi: 10.1016/j.toxlet.2016.06.1122.
127. Georgakouli K, Mpesios A, **Kouretas D**, Petrotos K, Mitsagga C, Giavasis I, Jamurtas AZ. The Effects of an Olive Fruit Polyphenol-Enriched Yogurt on Body Composition, Blood Redox Status, Physiological and Metabolic Parameters and Yogurt Microflora. *Nutrients*. 2016 Jun 3;8(6). pii: E344. doi: 10.3390/nu8060344.
128. Kerasioti E, Stagos D, Georgatzi V, Bregou E, Priftis A, Kafantaris I, **Kouretas D**. Antioxidant Effects of Sheep Whey Protein on Endothelial Cells. *Oxid Med Cell Longev*. 2016;2016:6585737. doi: 10.1155/2016/6585737. Epub 2016 Mar 31.
129. Gerasopoulos K, Stagos D, Krouezas A, Karaveli C, Barda C, Gkika H, Mitsiou D, Petrotos K, Goulas P, **Kouretas D**. Assessment of Fatty Acid Allocation in Plasma and Tissues in Piglets, Using Feed Supplemented with Byproducts from Processed Olive Mill Wastewater. *In Vivo*. 2016 May-Jun;30(3):291-301.
130. Spanidis Y, Mpesios A, Stagos D, Goutzourelas N, Bar-Or D, Karapetsa M, Zakynthinos E, Spandidos DA, Tsatsakis AM, Leon G, **Kouretas D**. Assessment of the redox status in patients with metabolic syndrome and type 2 diabetes reveals great variations. *Exp Ther Med*. 2016 Mar;11(3):895-903. Epub 2016 Jan 5.
131. Spanidis Y, Goutzourelas N, Stagos D, Mpesios A, Priftis A, Bar-Or D, Spandidos DA, Tsatsakis AM, Leon G, **Kouretas D**. Variations in oxidative stress markers in elite basketball players at the beginning and end of a season. *Exp Ther Med*. 2016 Jan;11(1):147-153. Epub 2015 Nov 4.
132. Vardavas AI, Fragkiadaki P, Alegakis AK, **Kouretas D**, Goutzourelas N, Tsiaoussis J, Tsitsimpikou C, Stivaktakis PD, Carvalho F, Tsatsakis AM. Downgrading the systemic condition of rabbits after long term exposure to cypermethrin and piperonyl butoxide. *Life Sci*. 2016 Jan 15;145:114-20. doi: 10.1016/j.lfs.2015.12.026. Epub 2015 Dec 12.
133. Makri S, Kafantaris I, Stagos D, Chamokeridou T, Petrotos K, Gerasopoulos K, Mpesios A, Goutzourelas N, Kokkas S, Goulas P, Komiotis D, **Kouretas D**. Novel feed including bioactive compounds from winery wastes improved broilers' redox status in blood and tissues of vital organs., *Food and Chemical Toxicology*. 2017 Jan 24;102:24-31. doi: 10.1016/j.fct.2017.01.019.
134. Begas E, Tsoutsoulioti A, Kouvaras E, Haroutounian SA, Kasiotis KM, **Kouretas D**, Asprodini E., Effects of peppermint tea consumption on the activities of CYP1A2, CYP2A6, Xanthine Oxidase, N-acetyltransferase-2 and UDP-glucuronosyltransferases-1A1/1A6 in healthy volunteers., *Food and Chemical Toxicology*. 2017 Feb;100:80-89. doi: 10.1016/j.fct.2016.12.021.
135. Spanidis Y, Stagos D, Orfanou M, Goutzourelas N, Bar-Or D, Spandidos D, **Kouretas D**, Variations in Oxidative Stress Levels in 3 Days Follow-up in Ultramarathon Mountain Race Athletes., *J Strength Cond Res*. 2017 Mar;31(3):582-594. doi: 10.1519/JSC.0000000000001584
136. Priftis A, Papikinos K, Koukoulanaki M, Kerasioti E, Stagos D, Konstantopoulos K, Spandidos DA, Kermenidou M, Karakitsios S, Sarigiannis D, Tsatsakis AM, **Kouretas D**, Development of an assay to assess genotoxicity by particulate matter extract., *Mol Med Rep*. 2017 Apr;15(4):1738-1746. doi: 10.3892/mmr.2017.6171. Epub 2017 Feb 6.

137. Tsatsakis AM, Nawaz MA, **Kouretas D**, Balias G, Savolainen K, Tutelyan VA, Golokhvast KS, Lee JD, Yang SH, Chung G., Environmental impacts of genetically modified plants: A review., Environ Res. 2017 Jul;156:818-833. doi: 10.1016/j.envres.2017.03.011. Epub 2017 Mar 27. Review.
138. Tsatsakis AM, **Kouretas D**, Tzatzarakis MN, Stivaktakis P, Tsarouhas K, Golokhvast KS, Rakitskii VN, Tutelyan VA, Hernandez AF, Rezaee R, Chung G, Fenga C, Engin AB, Neagu M, Arsene AL, Docea AO, Gofita E, Calina D, Taitzoglou I, Liesivuori J, Hayes AW, Gutnikov S, Tsitsimpikou C., Simulating real-life exposures to uncover possible risks to human health: A proposed consensus for a novel methodological approach., Hum Exp Toxicol. 2017 Jun;36(6):554-564. doi: 10.1177/0960327116681652. Epub 2016 Dec 15.
139. Spanidis Y, Priftis A, Stagos D, Stravodimos GA, Leonidas DD, Spandidos DA, Tsatsakis AM, **Kouretas D**, Oxidation of human serum albumin exhibits inter-individual variability after an ultra-marathon mountain race., Exp Ther Med. 2017 May;13(5):2382-2390. doi: 10.3892/etm.2017.4268. Epub 2017 Mar 28.
140. Hashemzaei M, Delarami Far A, Yari A, Heravi RE, Tabrizian K, Taghdisi SM, Sadegh SE, Tsarouhas K, **Kouretas D**, Tzanakakis G, Nikitovic D, Anisimov NY, Spandidos DA, Tsatsakis AM, Rezaee R., Anticancer and apoptosis-inducing effects of quercetin in vitro and in vivo., Oncol Rep. 2017 Aug;38(2):819-828. doi: 10.3892/or.2017.5766. Epub 2017 Jun 28.
141. Kafantaris I, Stagos D, Kotsampasi B, Hatzis A, Kypriotakis A, Gerasopoulos K, Makri S, Goutzourelas N, Mitsagga C, Giavasis I, Petrotos K, Kokkas S, Goulas P, Christodoulou V, **Kouretas D**, Grape pomace improves performance, antioxidant status, fecal microbiota and meat quality of piglets., Animal. 2017 Jul 17:1-10. doi: 10.1017/S1751731117001604. [Epub ahead of print]
142. Kouka P, Priftis A, Stagos D, Angelis A, Stathopoulos P, Xinos N, Skaltsounis AL, Mamoulakis C, Tsatsakis AM, Spandidos DA, **Kouretas D**, Assessment of the antioxidant activity of an olive oil total polyphenolic fraction and hydroxytyrosol from a Greek Olea europaea variety in endothelial cells and myoblasts., Int J Mol Med. 2017 Sep;40(3):703-712. doi: 10.3892/ijmm.2017.3078. Epub 2017 Jul 20.
143. Tsamouri MM, Rapti M, Kouka P, Nepka C, Tsarouhas K, Soumelidis A, Koukoulis G, Tsatsakis A, **Kouretas D**, Tsitsimpikou C., Histopathological evaluation and redox assessment in blood and kidney tissues in a rabbit contrast-induced nephrotoxicity model., Food Chem Toxicol. 2017 Oct;108(Pt A):186-193. doi: 10.1016/j.fct.2017.07.058. Epub 2017 Jul 31.
144. Manthou E, Georgakouli K, Deli CK, Sotiropoulos A, Fatouros IG, **Kouretas D**, Haroutounian S, Matthaiou C, Koutedakis Y, Jamurtas AZ., Effect of pomegranate juice consumption on biochemical parameters and complete blood count., Exp Ther Med. 2017 Aug;14(2):1756-1762. doi: 10.3892/etm.2017.4690. Epub 2017 Jun 27.
145. Kerasioti E, Terzopoulou Z, Komini O, Kafantaris I, Makri S, Stagos D, Gerasopoulos K, Anisimov NY, Tsatsakis AM, **Kouretas D**, Tissue specific effects of feeds supplemented with grape pomace or olive oil mill wastewater on detoxification enzymes in sheep., Toxicol Rep. 2017 Jun 23;4:364-372. doi: 10.1016/j.toxrep.2017.06.007.
146. Costa C, Tsatsakis A, Mamoulakis C, Teodoro M, Briguglio G, Caruso E, Tsoukalas D, Margini D, Dardiatis E, **Kouretas D**, Fenga C., Current evidence on the effect of dietary polyphenols intake on chronic diseases., Food Chem Toxicol. 2017 Oct 14. pii: S0278-6915(17)30621-X. doi: 10.1016/j.fct.2017.10.023. [Epub ahead of print] Review.
147. Farsalinos KE, Kistler KA, Pennington A, Spyrou A, **Kouretas D**, Gillman G.. Aldehyde levels in e-cigarette aerosol: Findings from a replication study and from use of a new-generation device. Food Chem Toxicol. 2018 Jan;111:64-70. doi: 10.1016/j.fct.2017.11.002. Epub 2017 Nov 3.
148. Papadopoulou A, Petrotos K, Stagos D, Gerasopoulos K, Maimaris A, Makris H, Kafantaris I, Makri S, Kerasioti E, Halabalaki M, Brieudes V, Ntasi G, Kokkas S, Tzimas P, Goulas P, Zakharenko AM, Golokhvast KS, Tsatsakis A, **Kouretas D**. Enhancement of Antioxidant

- Mechanisms and Reduction of Oxidative Stress in Chickens after the Administration of Drinking Water Enriched with Polyphenolic Powder from Olive Mill Waste Waters. *Oxid Med Cell Longev.* 2017;2017:8273160. doi: 10.1155/2017/8273160. Epub 2017 Aug 24.
149. Priftis A, Goutzourelas N, Halabalaki M, Ntasi G, Stagos D, Amoutzias GD, Skaltsounis LA, **Kouretas D**. Effect of polyphenols from coffee and grape on gene expression in myoblasts. *Mech Ageing Dev.* 2017 Nov 23. pii: S0047-6374(17)30155-0. doi: 10.1016/j.mad.2017.11.015.
150. Apatsidou M, Konstantopoulou I, Foufa E, Tsarouhas K, Papalexis P, Rezaee R, Spandidos DA, **Kouretas D**, Tsitsimpikou C. Safe use of chemicals by professional users and health care specialists. *Biomed Rep.* 2018 Feb;8(2):160-165. doi: 10.3892/br.2018.1037. Epub 2018 Jan 2.
151. Priftis A, Panagiotou EM, Lakis K, Plika C, Halabalaki M, Ntasi G, Veskoukis AS, Stagos D, Skaltsounis LA, **Kouretas D**. Roasted and green coffee extracts show antioxidant and cytotoxic activity in myoblast and endothelial cell lines in a cell specific manner. *Food Chem Toxicol.* 2018 Apr;114:119-127. doi: 10.1016/j.fct.2018.02.029. Epub 2018 Feb 13.
152. Makri S, Kafantaris I, Savva S, Ntanou P, Stagos D, Argyroulis I, Kotsampasi B, Christodoulou V, Gerasopoulos K, Petrotos K, Komiotis D, **Kouretas D**. Novel Feed Including Olive Oil Mill Wastewater Bioactive Compounds Enhanced the Redox Status of Lambs. *In Vivo.* 2018 Mar-Apr;32(2):291-302
153. Kerasioti E, Stagos D, Tsatsakis AM, Spandidos DA, Taitzoglou I, **Kouretas D**. Effects of sheep/goat whey protein dietary supplementation on the redox status of rats. *Mol Med Rep.* 2018 Apr;17(4):5774-5781. doi: 10.3892/mmr.2018.8622. Epub 2018 Feb 20.
154. Docea AO, Gofita E, Goumenou M, Calina D, Rogoveanu O, Varut M, Olaru C, Kerasioti E, Fountoucidou P, Taitzoglou I, Zlatian O, Rakitskii VN, Hernandez AF, **Kouretas D**, Tsatsakis A. Six months exposure to a real life mixture of 13 chemicals' below individual NOAELs induced non monotonic sex-dependent biochemical and redox status changes in rats. *Food Chem Toxicol.* 2018 Apr 3;115:470-481. doi: 10.1016/j.fct.2018.03.052.
155. Tsarouhas K, Kioukia-Fougia N, Papalexis P, Tsatsakis A, **Kouretas D**, Bacopoulou F, Tsitsimpikou C. Use of nutritional supplements contaminated with banned doping substances by recreational adolescent athletes in Athens, Greece. *Food Chem Toxicol.* 2018 Apr 3;115:447-450. doi: 10.1016/j.fct.2018.03.043.
156. Priftis A, Angelis-Terzidou AE, Veskoukis AS, Spandidos DA, **Kouretas D**. Cell-specific and roasting-dependent regulation of the Keap1/Nrf2 pathway by coffee extracts. *Mol Med Rep.* 2018 Jun;17(6):8325-8331. doi: 10.3892/mmr.2018.8924. Epub 2018 Apr 24.
157. Vardavas AI, Ozcagli E, Fragkiadaki P, Stivaktakis PD, Tzatzarakis MN, Alegakis AK, Vasilaki F, Kaloudis K, Tsiaouassis J, **Kouretas D**, Tsitsimpikou C, Carvalho F, Tsatsakis AM. The metabolism of imidacloprid by aldehyde oxidase contributes to its clastogenic effect in New Zealand rabbits. *Mutat Res.* 2018 May - Jun;829-830:26-32. doi: 10.1016/j.mrgentox.2018.03.002. Epub 2018 Mar 19.
158. Priftis A, Mitsiou D, Halabalaki M, Ntasi G, Stagos D, Skaltsounis LA, **Kouretas D**. Roasting has a distinct effect on the antimutagenic activity of coffee varieties. *Mutat Res.* 2018 May - Jun;829-830:33-42. doi: 10.1016/j.mrgentox.2018.03.003. Epub 2018 Mar 30.
159. Tsarouhas K, Tsitsimpikou C, Papantoni X, Lazaridou D, Koutouzis M, Mazzaris S, Rezaee R, Mamoulakis C, Georgoulias P, Nepka C, Rentoukas E, Kyriakides Z, Tsatsakis A, Spandidos DA, **Kouretas D**. Oxidative stress and kidney injury in trans-radial catheterization. *Biomed Rep.* 2018 May;8(5):417-425. doi: 10.3892/br.2018.1071. Epub 2018 Feb 28.
160. Stagos D, Soulitsiotis N, Tsadila C, Papaefstathiou S, Arvanitis C, Ntontos A, Karkanta F, Adamou-Androulaki S, Petrotos K, Spandidos DA, **Kouretas D**, Mossialos D. Antibacterial and antioxidant activity of different types of honey derived from Mount Olympus in Greece. *Int J Mol Med.* 2018 Aug;42(2):726-734. doi: 10.3892/ijmm.2018.3656. Epub 2018 May 4.
161. Konstantinou E, Fotopoulou F, Drosos A, Dimakopoulou N, Zagoriti Z, Niarchos A, Makrynioti

- D, **Kouretas D**, Farsalinos K, Lagoumintzis G, Poulas K. Tobacco-specific nitrosamines: A literature review. *Food Chem Toxicol.* 2018 Aug;118:198-203. doi: 10.1016/j.fct.2018.05.008. Epub 2018 May 8. Review.
162. **Kouretas D**, Tsatsakis A, Poulas K. Editorial: Alternative tobacco products: Toxicology and health issues. *Food Chem Toxicol.* 2018 Aug;118:523-525. doi: 10.1016/j.fct.2018.05.056. Epub 2018 May 26.
163. Skenderidis P, Kerasioti E, Karkanta E, Stagos D, **Kouretas D**, Petrotos K, Hadjichristodoulou C, Tsakalof A. Assessment of the antioxidant and antimutagenic activity of extracts from goji berry of Greek cultivation. *Toxicol Rep.* 2018 Feb 5;5:251-257. doi: 10.1016/j.toxrep.2018.02.001. eCollection 2018.
164. Georgiadis N, Tsarouhas K, Tsitsimpikou C, Vardavas A, Rezaee R, Germanakis I, Tsatsakis A, Stagos D, **Kouretas D**. Pesticides and cardiotoxicity. Where do we stand? *Toxicol Appl Pharmacol.* 2018 Jun 6;353:1-14. doi: 10.1016/j.taap.2018.06.004. [Epub ahead of print] Review.
165. Kafantaris I, Kotsampasi B, Christodoulou V, Makri S, Stagos D, Gerasopoulos K, Petrotos K, Goulas P, **Kouretas D**. Effects of Dietary Grape Pomace Supplementation on Performance, Carcass Traits and Meat Quality of Lambs. *In Vivo.* 2018 Jul-Aug;32(4):807-812. doi: 10.21873/invivo.11311.
166. Mikropoulou EV, Vougiannopoulou K, Kalpoutzakis E, Sklirou AD, Skaperda Z, Houriet J, Wolfender JL, Trougakos IP, **Kouretas D**, Halabalaki M, Mitakou S. Phytochemical Composition of the Decoctions of Greek Edible Greens (Chórtá) and Evaluation of Antioxidant and Cytotoxic Properties. *Molecules.* 2018 Jun 26;23(7). pii: E1541. doi: 10.3390/molecules23071541.
167. Kourlaouzidou EA, Roussou K, Sidiropoulos K, Nikolaidis A, Kolokuris I, Tsakalof A, Tsitsimpikou C, **Kouretas D**. Investigation of the chemical profile and cytotoxicity evaluation of organic components eluted from pit and fissure sealants. *Food Chem Toxicol.* 2018 Oct;120:536-543. doi: 10.1016/j.fct.2018.07.042. Epub 2018 Aug 1.
168. Goutzourelas N, Orfanou M, Charizanis I, Leon G, Spandidos DA, **Kouretas D**. GSH levels affect weight loss in individuals with metabolic syndrome and obesity following dietary therapy. *Exp Ther Med.* 2018 Aug;16(2):635-642. doi: 10.3892/etm.2018.6204. Epub 2018 May 23.
169. Spanidis Y, Stagos D, Papanikolaou C, Karatza K, Theodosi A, Veskoukis AS, Deli CK, Poulios A, Koulocheri SD, Jamurtas AZ, Haroutounian SA, **Kouretas D**. Resistance-Trained Individuals Are Less Susceptible to Oxidative Damage after Eccentric Exercise. *Oxid Med Cell Longev.* 2018 Jul 17;2018:6857190. doi: 10.1155/2018/6857190. eCollection 2018.
170. Kouka P, Chatzieffraimidi GA, Raftis G, Stagos D, Angelis A, Stathopoulos P, Xynos N, Skaltsounis AL, Tsatsakis AM, **Kouretas D**. Antioxidant effects of an olive oil total polyphenolic fraction from a Greek Olea europaea variety in different cell cultures. *Phytomedicine.* 2018 Aug 1;47:135-142. doi: 10.1016/j.phymed.2018.04.054. Epub 2018 May 8.
171. Begas E, Kilindris T, Kouvaras E, Tsoutsoumi A, **Kouretas D**, Asprodini EK. Dietary effects of Sideritis scardica "mountain tea" on human in vivo activities of xenobiotic metabolizing enzymes in healthy subjects. *Food Chem Toxicol.* 2018 Dec;122:38-48. doi: 10.1016/j.fct.2018.09.056. Epub 2018 Sep 25.
172. Spanidis Y, Veskoukis AS, Papanikolaou C, Stagos D, Priftis A, Deli CK, Jamurtas AZ, **Kouretas D**. Exercise-Induced Reductive Stress Is a Protective Mechanism against Oxidative Stress in Peripheral Blood Mononuclear Cells. *Oxid Med Cell Longev.* 2018 Oct 11;2018:3053704. doi: 10.1155/2018/3053704. eCollection 2018.
173. Stagos D, Balabanos D, Savva S, Skaperda Z, Priftis A, Kerasioti E, Mikropoulou EV, Vougiannopoulou K, Mitakou S, Halabalaki M, **Kouretas D**. Extracts from the Mediterranean Food Plants *Carthamus lanatus*, *Cichorium intybus*, and *Cichorium spinosum* Enhanced GSH Levels and Increased Nrf2 Expression in Human Endothelial Cells. *Oxid Med Cell Longev.* 2018 Nov 15;2018:6594101. doi: 10.1155/2018/6594101. eCollection 2018.

174. Priftis A, Soursou V, Makiou AS, Tekos F, Veskoukis AS, Tsantarliotou MP, Taitzoglou IA, **Kouretas D**. A lightly roasted coffee extract improves blood and tissue redox status in rats through enhancement of GSH biosynthesis. *Food Chem Toxicol.* 2019 Jan 14;125:305-312. doi: 10.1016/j.fct.2019.01.012. [Epub ahead of print]
175. Kerasioti E, Veskoukis A, Virgiliou C, Theodoridis G, Taitzoglou I, **Kouretas D**. The Strong Antioxidant Sheep/Goat Whey Protein Protects Against mTOR Overactivation in Rats: A Mode of Action Mimicking Fasting. *Antioxidants (Basel)*. 2019 Mar 23;8(3):71. doi: 10.3390/antiox8030071.
176. Kerasioti E, Apostolou A, Kafantaris I, Chronis K, Kokka E, Dimitriadou C, Tzanetou EN, Priftis A, Koulocheri SD, Haroutounian SA, **Kouretas D**, Stagos D. Polyphenolic Composition of Rosa canina, Rosa sempervivens and Pyracantha coccinea Extracts and Assessment of Their Antioxidant Activity in Human Endothelial Cells. *Antioxidants (Basel)*. 2019 Apr 6;8(4):92. doi: 10.3390/antiox8040092.
177. Kouka P, Tsakiri G, Tzortzi D, Dimopoulou S, Sarikaki G, Stathopoulos P, Veskoukis AS, Halabalaki M, Skaltsounis AL, **Kouretas D**. The Polyphenolic Composition of Extracts Derived from Different Greek Extra Virgin Olive Oils Is Correlated with Their Antioxidant Potency. *Oxid Med Cell Longev.* 2019 Mar 20;2019:1870965. doi: 10.1155/2019/1870965. eCollection 2019.
178. Mamoulakis C, Fragkiadoulaki I, Karkala P, Georgiadis G, Zisis IE, Stivaktakis P, Kalogeraki A, Tsiaoussis I, Burykina T, Lazopoulos G, Tsarouhas K, **Kouretas D**, Tsatsakis A. Contrast-induced nephropathy in an animal model: Evaluation of novel biomarkers in blood and tissue samples. *Toxicol Rep.* 2019 May 2;6:395-400. doi: 10.1016/j.toxrep.2019.04.007. eCollection 2019.
179. Begas E, Bounitsi M, Kilindris T, Kouvaras E, Makaritsis K, **Kouretas D**, Asprodini EK. Effects of short-term saffron (*Crocus sativus L.*) intake on the in vivo activities of xenobiotic metabolizing enzymes in healthy volunteers. *Food Chem Toxicol.* 2019 Aug;130:32-43. doi: 10.1016/j.fct.2019.05.013. Epub 2019 May 10.
180. Leventelis C, Goutzourelas N, Kortsinidou A, Spanidis Y, Toulia G, Kampitsi A, Tsitsimpikou C, Stagos D, Veskoukis AS, **Kouretas D**. Buprenorphine and Methadone as Opioid Maintenance Treatments for Heroin-Addicted Patients Induce Oxidative Stress in Blood. *Oxid Med Cell Longev.* 2019 Apr 9;2019:9417048. doi: 10.1155/2019/9417048. eCollection 2019.
181. Skaperda Z, Veskoukis A, **Kouretas D**. Farm animal welfare, productivity and meat quality: Interrelation with redox status regulation and antioxidant supplementation as a nutritional intervention (Review). Pages: 177-183 Published on: July 01 2019.
182. Kreatsouli K, Fousteri Z, Zampakas K, Kerasioti E, Veskoukis AS, Mantas C, Gkoutsidis P, Ladas D, Petrotos K, **Kouretas D**, Stagos D. A Polyphenolic Extract from Olive Mill Wastewaters Encapsulated in Whey Protein and Maltodextrin Exerts Antioxidant Activity in Endothelial Cells. *Antioxidants (Basel)*. 2019 Aug 5;8(8):280. doi: 10.3390/antiox8080280.
183. Fountoucidou P, Veskoukis AS, Kerasioti E, Docea AO, Taitzoglou IA, Liesivuori J, Tsatsakis A, **Kouretas D**. A mixture of routinely encountered xenobiotics induces both redox adaptations and perturbations in blood and tissues of rats after a long-term low-dose exposure regimen: The time and dose issue. *Toxicol Lett.* 2019 Dec 15;317:24-44. doi: 10.1016/j.toxlet.2019.09.015. Epub 2019 Sep 18.
184. Kouka P, Tekos F, Valta K, Mavros P, Veskoukis AS, Angelis A, Skaltsounis AL, **Kouretas D**. Olive tree blossom polyphenolic extracts exert antioxidant and antimutagenic activities in vitro and in various cell lines. *Oncol Rep.* 2019 Dec;42(6):2814-2825. doi: 10.3892/or.2019.7386. Epub 2019 Oct 23.
185. Zanfirescu A, Ungurianu A, Tsatsakis AM, Nitulescu GM, **Kouretas D**, Veskoukis A, Tsoukalas D, Engin AB, Aschner M, Margină D. A review of the alleged health hazards of monosodium glutamate. *Compr Rev Food Sci Food Saf.* 2019 Jul;18(4):1111-1134. doi: 10.1111/1541-4337.12448. Epub 2019 May
186. Tsiokou V, Kilindris T, Begas E, Kouvaras E, **Kouretas D**, Asprodini EK. Altered activity of xenobiotic detoxifying enzymes at menopause - A cross-sectional study. *Environ Res.* 2020

187. Karydas C, Iatrou M, **Kouretas D**, Patouna A, Iatrou G, Lazos N, Gewehr S, Tseni X, Tekos F, Zartaloudis Z, Mainos E, Mourelatos S. Prediction of Antioxidant Activity of Cherry Fruits from UAS Multispectral Imagery Using Machine Learning. *Antioxidants (Basel)*. 2020 Feb 14;9(2):156. doi: 10.3390/antiox9020156.
188. Panieri E, Buha A, Telkoparan-Akililar P, Cevik D, **Kouretas D**, Veskoukis A, Skaperda Z, Tsatsakis A, Wallace D, Suzen S, Saso L. Potential Applications of NRF2 Modulators in Cancer Therapy. *Antioxidants (Basel)*. 2020 Feb 25;9(3):193. doi: 10.3390/antiox9030193.
189. Veskoukis AS, Tsatsakis A, **Kouretas D**. Approaching reactive species in the frame of their clinical significance: A toxicological appraisal. *Food Chem Toxicol*. 2020 Apr;138:111206. doi: 10.1016/j.fct.2020.111206. Epub 2020 Feb 28.
190. Kouka P, Tekos F, Papoutsaki Z, Stathopoulos P, Halabalaki M, Tsantarliotou M, Zervos I, Nepka C, Liesivuori J, Rakitskii VN, Tsatsakis A, Veskoukis AS, **Kouretas D**. Olive oil with high polyphenolic content induces both beneficial and harmful alterations on rat redox status depending on the tissue. *Toxicol Rep*. 2020 Feb 13;7:421-432. doi: 10.1016/j.toxrep.2020.02.007. eCollection 2020.
191. Margaritis I, Angelopoulou K, Lavrentiadou S, Mavrovouniotis IC, Tsantarliotou M, Taitzoglou I, Theodoridis A, Veskoukis A, Kerasioti E, **Kouretas D**, Zervos I. Effect of crocin on antioxidant gene expression, fibrinolytic parameters, redox status and blood biochemistry in nicotinamide-streptozotocin-induced diabetic rats. *J Biol Res (Thessalon)*. 2020 Mar 2;27:4. doi: 10.1186/s40709-020-00114-5. eCollection 2020 Dec.
192. Bouroutzika E, **Kouretas D**, Papadopoulos S, Veskoukis AS, Theodosiadou E, Makri S, Palioras C, Michailidis ML, Caroprese M, Valasi I. Effects of Melatonin Administration to Pregnant Ewes under Heat-Stress Conditions, in Redox Status and Reproductive Outcome. *Antioxidants (Basel)*. 2020 Mar 23;9(3):266. doi: 10.3390/antiox9030266.
193. Veskoukis AS, Vassi E, Poulas K, Kokkinakis M, Asprodini E, Haroutounian S, **Kouretas D**. Grape Stem Extracts From Three Native Greek Vine Varieties Exhibit Strong Antioxidant and Antimutagenic Properties. *Anticancer Res*. 2020 Apr;40(4):2025-2032. doi: 10.21873/anticanres.14159.
194. Kara M, Oztas E, Ramazanoğulları R, **Kouretas D**, Nepka C, Tsatsakis AM, Veskoukis AS. Benomyl, a benzimidazole fungicide, induces oxidative stress and apoptosis in neural cells. *Toxicol Rep*. 2020 Apr 11;7:501-509. doi: 10.1016/j.toxrep.2020.04.001. eCollection 2020.
195. Farsalinos K, Niaura R, Le Houezec J, Barbouni A, Tsatsakis A, **Kouretas D**, Vantarakis A, Poulas K. Editorial: Nicotine and SARS-CoV-2: COVID-19 may be a disease of the nicotinic cholinergic system. Version 2. *Toxicol Rep*. 2020 Apr 30;7:658-63. doi: 10.1016/j.toxrep.2020.04.012. Online ahead of print.
196. Petrakis D, Margină D, Tsarouhas K, Tekos F, Stan M, Nikitovic D, **Kouretas D**, Spandidos DA, Tsatsakis A. Obesity - a risk factor for increased COVID-19 prevalence, severity and lethality (Review). *Mol Med Rep*. 2020 Jul;22(1):9-19. doi: 10.3892/mmr.2020.11127. Epub 2020 May 5.
197. S Veskoukis A, Kerasioti E, Sidiropoulos K, Maragou I, Skaperda Z, **Kouretas D**. Nutritional habits and free grazing regimen of productive animals along with specific ingredients are influential factors for the antioxidant properties of milk: From farm to market. *Biomed Rep*. 2020 Jul;13(1):31-36. doi: 10.3892/br.2020.1301. Epub 2020 Apr 28.
198. Wilhelmi de Toledo F, Grundler F, Goutzourelas N, Tekos F, Vassi E, Mesnage R, **Kouretas D**. Influence of Long-Term Fasting on Blood Redox Status in Humans. *Antioxidants (Basel)*. 2020 Jun 6;9(6):E496. doi: 10.3390/antiox9060496.
199. Margină D, Ungurianu A, Purdel C, Tsoukalas D, Sarandi E, Thanasoula M, Tekos F, Mesnage R, **Kouretas D**, Tsatsakis A. Chronic Inflammation in the Context of Everyday Life: Dietary Changes as Mitigating Factors. *Int J Environ Res Public Health*. 2020 Jun 10;17(11):E4135. doi: 10.3390/ijerph17114135.

200. Veskoukis AS, Kerasioti E, Skaperda Z, Papapostolou PA, Nepka C, Spandidos DA, Asprodini E, Taitzoglou I, **Kouretas D**. Whey protein boosts the antioxidant profile of rats by enhancing the activities of crucial antioxidant enzymes in a tissue-specific manner. *Food Chem Toxicol.* 2020 Aug;142:111508. doi: 10.1016/j.fct.2020.111508. Epub 2020 Jun 13. PMID: 32544564
201. Makri S, Raftopoulou S, Kafantaris I, Kotsampasi B, Christodoulou V, Nepka C, Veskoukis AS, **Kouretas D**. Biofunctional Feed Supplemented With By-products of Olive Oil Production Improves Tissue Antioxidant Profile of Lambs. *In Vivo.* 2020 Jul-Aug;34(4):1811-1821. doi: 10.21873/invivo.11976. PMID: 32606151
202. Nasi A, McArdle S, Gaudernack G, Westman G, Melief C, Rockberg J, Arens R, **Kouretas D**, Sjölin J, Mangsbo S. Reactive oxygen species as an initiator of toxic innate immune responses in retort to SARS-CoV-2 in an ageing population, consider N-acetylcysteine as early therapeutic intervention. *Toxicol Rep.* 2020 Jun; 18:7:768-771. doi: 10.1016/j.toxrep.2020.06.003. eCollection 2020. PMID: 32632359
203. Margină D, Ungurianu A, Purdel C, Nițulescu GM, Tsoukalas D, Sarandi E, Thanassoula M, Burykina TI, Tekos F, Buha A, Nikitovic D, **Kouretas D**, Tsatsakis AM. Analysis of the intricate effects of polyunsaturated fatty acids and polyphenols on inflammatory pathways in health and disease. *Food Chem Toxicol.* 2020 Sep;143:111558. doi: 10.1016/j.fct.2020.111558. Epub 2020 Jul 5. PMID: 32640331
204. Bacopoulou F, Landis GN, Pałasz A, Tsitsika A, Vlachakis D, Tsarouhas K, Tsitsimpikou C, Stefanaki C, **Kouretas D**, Efthymiou V. Identifying early abdominal obesity risk in adolescents by telemedicine: A cross-sectional study in Greece. *Food Chem Toxicol.* 2020 Oct;144:111532. doi: 10.1016/j.fct.2020.111532. Epub 2020 Jul 6. PMID: 32645466
205. Ikonomidis I, Pavlidis G, Katsimbris P, Lambadiari V, Parisissi J, Andreadou I, Tsoumani M, Boumpas D, **Kouretas D**, Iliodromitis E. Tocilizumab improves oxidative stress and endothelial glycocalyx: A mechanism that may explain the effects of biological treatment on COVID-19. *Food Chem Toxicol.* 2020 Nov;145:111694. doi: 10.1016/j.fct.2020.111694. Epub 2020 Aug 18. PMID: 32822775
206. Tekos F, Skaperda Z, Goutzourelas N, Phelps DS, Floros J, **Kouretas D**. The Importance of Redox Status in the Frame of Lifestyle Approaches and the Genetics of the Lung Innate Immune Molecules, SP-A1 and SP-A2, on Differential Outcomes of COVID-19 Infection. *Antioxidants (Basel).* 2020 Aug 25;9(9):784. doi: 10.3390/antiox9090784. PMID: 32854247
207. Grundler F, Mesnage R, Goutzourelas N, Tekos F, Makri S, Brack M, **Kouretas D**, Wilhelmi de Toledo F. Interplay between oxidative damage, the redox status, and metabolic biomarkers during long-term fasting. *Food Chem Toxicol.* 2020 Nov;145:111701. doi: 10.1016/j.fct.2020.111701. Epub 2020 Aug 25. PMID: 32858131
208. Georgiadis N, Tsarouhas K, Rezaee R, Nepka H, Kass GEN, Dorne JCM, Stagos D, Toutouzas K, Spandidos DA, **Kouretas D**, Tsitsimpikou C. [Corrigendum] What is considered cardiotoxicity of anthracyclines in animal studies. *Oncol Rep.* 2020 Oct;44(4):1772. doi: 10.3892/or.2020.7717. Epub 2020 Aug 6. PMID: 32945511
209. Kerasioti E, Veskoukis AS, Skaperda Z, Zacharias A, Poulas K, Lazopoulos G, **Kouretas D**. The flavoring and not the nicotine content is a decisive factor for the effects of refill liquids of electronic cigarette on the redox status of endothelial cells. *Toxicol Rep.* 2020 Sep 1;7:1095-1102. doi: 10.1016/j.toxrep.2020.08.029. eCollection 2020. PMID: 32953462
210. Veskoukis SA, Kerasioti E, Sidiropoulos K, Maragou I, Skaperda Z, **Kouretas D**. Erratum: Nutritional habits and free grazing regimen of productive animals along with specific ingredients are influential factors for the antioxidant properties of milk: From farm to market. *Biomed Rep.* 2020 Dec;13(6):54. doi: 10.3892/br.2020.1361. Epub 2020 Sep 29. PMID: 33082951
211. Charisis S, Ntanasi E, Yannakoulia M, Anastasiou CA, Kosmidis MH, Dardiotis E, Hadjigeorgiou G, Sakka P, Veskoukis AS, **Kouretas D**, Scarmeas N. Plasma GSH levels and Alzheimer's disease. A prospective approach.: Results from the HELIAD study. *Free Radic Biol Med.* 2020 Oct 21:S0891-5849(20)31301-0. doi: 10.1016/j.freeradbiomed.2020.10.027. Online

ahead of print. PMID: 33099001

212. Farsalinos K, Poulas K, **Kouretas D**, Vantarakis A, Leotsinidis M, Kouvelas D, Docea AO, Kostoff R, Gerotziafas GT, Antoniou MN, Polosa R, Barbouni A, Yiakoumaki V, Giannouchos TV, Bagos PG, Lazopoulos G, Izotov BN, Tutelyan VA, Aschner M, Hartung T, Wallace HM, Carvalho F, Domingo JL, Tsatsakis A. Improved strategies to counter the COVID-19 pandemic: Lockdowns vs. Primary and Community Healthcare. *Toxicol Rep.* 2020 Dec 3. doi: 10.1016/j.toxrep.2020.12.001. Online ahead of print. PMID: 33294384
213. Hashemzaei M, Tabrizian K, Alizadeh Z, Pasandideh S, Rezaee R, Mamoulakis C, Tsatsakis A, Skaperda Z, **Kouretas D**, Shahrai J. Resveratrol, curcumin and gallic acid attenuate glyoxal-induced damage to rat renal cells. *Toxicol Rep.* 2020 Nov 23;7:1571-1577. doi: 10.1016/j.toxrep.2020.11.008. eCollection 2020. PMID: 33304826
214. Mazilu L, Katsiki N, Nikolouzakis TK, Aslanidis MI, Lazopoulos G, **Kouretas D**, Tsatsakis A, Suceveanu AI, Stoian AP, Parepa IR, Voinea F, Suceveanu AP, Arsene AL, Velescu BS, Vesa C, Nitipir C. Thrombosis and Haemostasis challenges in COVID-19 - Therapeutic perspectives of heparin and tissue-type plasminogen activator and potential toxicological reactions-a mini review. *Food Chem Toxicol.* 2021 Feb;148:111974. doi: 10.1016/j.fct.2021.111974. Epub 2021 Jan 6. PMID: 33421462
215. Farsalinos K, Poulas K, **Kouretas D**, Vantarakis A, Leotsinidis M, Kouvelas D, Docea AO, Kostoff R, Gerotziafas GT, Antoniou MN, Polosa R, Barbouni A, Yiakoumaki V, Giannouchos TV, Bagos PG, Lazopoulos G, Izotov BN, Tutelyan VA, Aschner M, Hartung T, Wallace HM, Carvalho F, Domingo JL, Tsatsakis A. Improved strategies to counter the COVID-19 pandemic: Lockdowns vs. primary and community healthcare. *Toxicol Rep.* 2021;8:1-9. doi: 10.1016/j.toxrep.2020.12.001. Epub 2020 Dec 3. PMID: 33294384
216. Lagoumintzis G, Chasapis CT, Alexandris N, **Kouretas D**, Tzartos S, Eliopoulos E, Farsalinos K, Poulas K. Nicotinic cholinergic system and COVID-19: In silico identification of interactions between $\alpha 7$ nicotinic acetylcholine receptor and the cryptic epitopes of SARS-CoV and SARS-CoV-2 Spike glycoproteins. *Food Chem Toxicol.* 2021 Mar;149:112009. doi: 10.1016/j.fct.2021.112009. Epub 2021 Jan 24. PMID: 33503469
217. Vardakas P, Skaperda Z, Tekos F, Trompeta AF, Tsatsakis A, Charitidis CA, **Kouretas D**. An integrated approach for assessing the in vitro and in vivo redox-related effects of nanomaterials. *Environ Res.* 2021 Jun;197:111083. doi: 10.1016/j.envres.2021.111083. Epub 2021 Mar 26. PMID: 33775680
218. Skaperda Z, Tekos F, Makri S, Angelakis C, Vassi E, Vardakas P, Patouna A, Terizi K, Kyriazi D, **Kouretas D**. A novel combined bioactivity / chemoactivity holistic approach for the evaluation of dietary supplements. *Food Chem Toxicol.* 2021 Jun;152:112159. doi: 10.1016/j.fct.2021.112159. Epub 2021 Mar 28. PMID: 33789120
219. Pappas A, Tsiokanos A, Fatouros IG, Poulios A, **Kouretas D**, Goutzourelas N, Giakas G, Jamurtas AZ. The Effects of Spirulina Supplementation on Redox Status and Performance Following a Muscle Damaging Protocol. *Int J Mol Sci.* 2021 Mar 30;22(7):3559. doi: 10.3390/ijms22073559. PMID: 33808079
220. Ravanidis S, Grundler F, de Toledo FW, Dimitriou E, Tekos F, Skaperda Z, **Kouretas D**, Doxakis E. Fasting-mediated metabolic and toxicity reprogramming impacts circulating microRNA levels in humans. *Food Chem Toxicol.* 2021 Jun;152:112187. doi: 10.1016/j.fct.2021.112187. Epub 2021 Apr 8. PMID: 33839215
221. Veskoukis AS, Vardakas P, **Kouretas D**. The Significance of Redox Biomarkers in the Evaluation of the Antioxidant Profile In Vitro and In Vivo. *Antioxidants (Basel).* 2021 May 19;10(5):805. doi: 10.3390/antiox10050805. PMID: 34069525
222. Triantafyllou C, Nikolaou M, Ikonomidis I, Bamias G, **Kouretas D**, Andreadou I, Tsoumani M, Thymis J, Papaconstantinou I. Effects of Anti-Inflammatory Treatment and Surgical Intervention on Endothelial Glycocalyx, Peripheral and Coronary Microcirculatory Function and Myocardial Deformation in Inflammatory Bowel Disease Patients: A Two-Arms Two-Stage Clinical Trial. *Diagnostics (Basel).* 2021 May 30;11(6):993. doi: 10.3390/diagnostics11060993. PMID: 34070768

223. Skaperda Z, Argyriadou A, Nechalioti PM, Alvanou M, Makri S, Bouroutzika E, Kyriazis ID, Tekos F, Veskoukis AS, Kallitsis T, Mesnage R, Arsenos G, **Kouretas D**. Redox Biomarker Baseline Levels in Cattle Tissues and Their Relationships with Meat Quality. *Antioxidants (Basel)*. 2021 Jun 15;10(6):958. doi: 10.3390/antiox10060958. PMID: 34203695
224. Karachalios T, Paridis D, Tekos F, Skaperda Z, Veskoukis AS, **Kouretas D**. Patients Undergoing Surgery for Hip Fractures Suffer from Severe Oxidative Stress as Compared to Patients with Hip Osteoarthritis Undergoing Total Hip Arthroplasty. *Oxid Med Cell Longev*. 2021 Jun 9;2021:5542634. doi: 10.1155/2021/5542634. eCollection 2021. PMID: 34211626
225. Lambadiari V, Thymis J, **Kouretas D**, Skaperda Z, Tekos F, Kousathana F, Kountouri A, Balamanis K, Parisis J, Andreadou I, Tsoumani M, Chania C, Katogiannis K, Dimitriadis G, Bamias A, Ikonomidis I. Effects of a 12-Month Treatment with Glucagon-like Peptide-1 Receptor Agonists, Sodium-Glucose Cotransporter-2 Inhibitors, and Their Combination on Oxidant and Antioxidant Biomarkers in Patients with Type 2 Diabetes. *Antioxidants (Basel)*. 2021 Aug 28;10(9):1379. doi: 10.3390/antiox10091379.
226. Charisis S, Ntanasi E, Stamelou M, Xiromerisiou G, Maraki M, Veskoukis AS, Yannakoulia M, Kosmidis MH, Anastasiou CA, Giagkou N, Dardiotis E, Hadjigeorgiou G, Sakka P, **Kouretas D**, Stefanis L, Scarmeas N. Plasma Glutathione and Prodromal Parkinson's Disease Probability. *Mov Disord*. 2022 Jan;37(1):200-205. doi: 10.1002/mds.28826. Epub 2021 Oct 25. PMID: 34695238
227. Bouroutzika E, Ciliberti MG, Caroprese M, Theodosiadou E, Papadopoulos S, Makri S, Skaperda ZV, Kotsadam G, Michailidis ML, Valiakos G, Chadio S, **Kouretas D**, Valasi I. Association of Melatonin Administration in Pregnant Ewes with Growth, Redox Status and Immunity of Their Offspring. *Animals (Basel)*. 2021 Nov 5;11(11):3161. doi: 10.3390/ani11113161.
228. Tsitsimpikou C, Georgiadis N, Tsarouhas K, Kartsidis P, Foufa E, Bacopoulou F, Choursalas A, **Kouretas D**, Nikolaidis AK, Koulaouzidou EA. Children and Parents' Awareness Regarding Potential Hazards Derived from the Use of Chemical Products in Greece. *Int J Environ Res Public Health*. 2021 Dec 8;18(24):12948. doi: 10.3390/ijerph182412948.
229. Skaperda Z, Tekos F, Vardakas P, Nepka C, **Kouretas D**. Reconceptualization of Hormetic Responses in the Frame of Redox Toxicology. *Int J Mol Sci*. 2021 Dec 21;23(1):49. doi: 10.3390/ijms23010049.
230. Gortzi O, Rovoli M, Katsoulis K, Graikou K, Karagkini DA, Stagos D, **Kouretas D**, Tsaknis J, Chinou I. Study of Stability, Cytotoxic and Antimicrobial Activity of Chios Mastic Gum Fractions (Neutral, Acidic) after Encapsulation in Liposomes. *Foods*. 2022 Jan 20;11(3):271. doi: 10.3390/foods11030271.
231. Pechlivanidou E, Vlachakis D, Tsarouhas K, Panidis D, Tsitsimpikou C, Darviri C, **Kouretas D**, Bacopoulou F. The prognostic role of micronutrient status and supplements in COVID-19 outcomes: A systematic review. *Food Chem Toxicol*. 2022 Feb 25;162:112901. doi: 10.1016/j.fct.2022.112901.\
232. Vardakas P, Veskoukis AS, Rossiou D, Gournikis C, Kapetanopoulou T, Karzi V, Docea AO, Tsatsakis A, **Kouretas D**. A Mixture of Endocrine Disruptors and the Pesticide Roundup® Induce Oxidative Stress in Rabbit Liver When Administered under the Long-Term Low-Dose Regimen: Reinforcing the Notion of Real-Life Risk Simulation. *Toxicics*. 2022 Apr 14;10(4):190. doi: 10.3390/toxicics10040190.
233. Karzi V, Tzatzarakis MN, Alegakis A, Vakonaki E, Fragkiadoulaki I, Kaloudis K, Chalkiadaki C, Apalaki P, Panagiotopoulou M, Kalliantasi A, **Kouretas D**, Docea AO, Calina D, Tsatsakis A. In Vivo Estimation of the Biological Effects of Endocrine Disruptors in Rabbits after Combined and Long-Term Exposure: Study Protocol. *Toxicics*. 2022 May 12;10(5):246. doi: 10.3390/toxicics10050246.
234. Bekiari C, Tekos F, Skaperda Z, Argyropoulou A, Skaltsounis AL, **Kouretas D**, Tsingotidou A. Antioxidant and Neuroprotective Effect of a Grape Pomace Extract on Oxaliplatin-Induced Peripheral Neuropathy in Rats: Biochemical, Behavioral and Histopathological Evaluation.

Antioxidants (Basel). 2022 May 27;11(6):1062. doi: 10.3390/antiox11061062.

235. Stampinas EG, Bouroutzika E, Katsoulos PD, Valiakos G, Theodosiadou EK, Athanasiou LV, Makri S, **Kouretas D**, Valasi I. Redox Status of Pregnant Ewes after Vaccination against Clostridial Diseases. *Vaccines (Basel)*. 2022 Jun 5;10(6):898. doi: 10.3390/vaccines10060898.
236. Ikonomidou I, Katogiannis K, Kourea K, Gavriella K, Tsilivarakis D, Lambadiari V, **Kouretas D**, Biondi-Zocca G. The effect of smoking on exhaled carbon monoxide and arterial elasticity during prolonged surgical mask use in the COVID-19 era. *Eur J Prev Cardiol*. 2022 Nov 15;29(16):e355-e358. doi: 10.1093/eurjpc/zwac101.
237. Georgiadis N, Tsarouhas K, Dorne JCM, Kass GEN, Laspa P, Toutouzas K, Koulaouzidou EA, **Kouretas D**, Tsitsimpikou C. Cardiotoxicity of Chemical Substances: An Emerging Hazard Class. *J Cardiovasc Dev Dis*. 2022 Jul 14;9(7):226. doi: 10.3390/jcdd9070226.
238. Agathokleous E, Barceló D, Aschner M, Azevedo RA, Bhattacharya P, Costantini D, Cutler GC, De Marco A, Docea AO, Dórea JG, Duke SO, Efferth T, Fatta-Kassinos D, Fotopoulos V, Ginebreda A, Guedes RNC, Hayes AW, Iavicoli I, Kalantzi Ol, Koike T, **Kouretas D**, Kumar M, Manautou JE, Moore MN, Paoletti E, Peñuelas J, Picó Y, Reiter RJ, Rezaee R, Rinklebe J, Rocha-Santos T, Sicard P, Sonne C, Teaf C, Tsatsakis A, Vardavas AI, Wang W, Zeng EY, Calabrese EJ. Rethinking Subthreshold Effects in Regulatory Chemical Risk Assessments. *Environ Sci Technol*. 2022 Aug 16;56(16):11095-11099. doi: 10.1021/acs.est.2c02896. Epub 2022 Jul 25.
239. Petraki K, Grammatikopoulou MG, Tekos F, Skaperda Z, Orfanou M, Mesnage R, Vassilakou T, **Kouretas D**. Estimation of Redox Status in Military Pilots during Hypoxic Flight-Simulation Conditions-A Pilot Study. *Antioxidants (Basel)*. 2022 Jun 24;11(7):1241. doi: 10.3390/antiox11071241.
240. Papachristoforou E, Kountouri A, Maratou E, **Kouretas D**, Skaperda Z, Tsoumani M, Efentakis P, Ikonomidou I, Lambadiari V, Makrilakis K. Association of Hypoglycemia with Biomarkers of Oxidative Stress and Antioxidants: An Observational Study. *Healthcare (Basel)*. 2022 Aug 10;10(8):1509. doi: 10.3390/healthcare10081509.
241. Kyriazis ID, Vassi E, Alvanou M, Angelakis C, Skaperda Z, Tekos F, Garikipati VNS, Spandidos DA, **Kouretas D**. The impact of diet upon mitochondrial physiology (Review). *Int J Mol Med*. 2022 Nov;50(5):135. doi: 10.3892/ijmm.2022.5191. Epub 2022 Sep 21.
242. Bouroutzika EV, Theodosiadou EK, Barbagianni MS, Papadopoulos S, Kalogiannis D, Chadio S, Skaperda Z, **Kouretas D**, Katsogiannou EG, Valasi I. Redox Status and Hematological Variables in Melatonin-Treated Ewes during Early Pregnancy under Heat Stress. *Vet Sci*. 2022 Sep 13;9(9):499. doi: 10.3390/vetsci9090499.
243. Tsarouhas K, Tsitsimpikou C, Samaras A, Saravanis C, Kolovou G, Bacopoulou F, Spandidos DA, **Kouretas D**. Cardiovascular adaptations and inflammation in marathon runners. *Exp Ther Med*. 2022 Sep 29;24(5):699. doi: 10.3892/etm.2022.11635. eCollection 2022 Nov.
244. Skaperda Z, Kyriazis ID, Tekos F, Alvanou MV, Nechalioti PM, Makri S, Argyriadou A, Vouraki S, Kallitsis T, Kourtzi M, Irene V, Arsenos G, **Kouretas D**. Determination of Redox Status in Different Tissues of Lambs and Kids and Their in-between Relationship. *Antioxidants (Basel)*. 2022 Oct 20;11(10):2065. doi: 10.3390/antiox11102065.

**Ενδεικτικά συνέδρια
(Προσκεκλημένος ομιλητής 2013-
σήμερα)**

- 1) 1^ο διεθνές συνέδριο για την ελληνική στέβια, (1-3 Μαρτίου 2013)
- 2) 50^ο Συνέδριο των Ευρωπαϊκών Εταιρειών Τοξικολογίας (7-10 Σεπτεμβρίου 2014, Εδιμβούργο)
- 3) Καινοτόμα συστήματα παραγωγής ελιάς προσαρμοσμένα για μηχανική συγκομιδή: Ολιστικές προσεγγίσεις για βιώσιμη διαχείριση (12 Νοεμβρίου 2014)
- 4) Ομάδα Εστίασης Επιχειρηματικής Ανακάλυψης για γαλακτοκομικά και κρεατοσκευάσματα για την Ανατολική Μακεδονία και τη Θράκη (29-30 Ιανουαρίου 2015)

- 5) 9^ο Συνέδριο Τουρκικής Εταιρείας Τοξικολογίας με τη συμμετοχή της Ελληνικής Εταιρείας Τοξικολογίας (21-24 Οκτωβρίου 2015)
- 6) 1^ο Επιστημονικό workshop «Λοιμώξεις και Διαβήτης» (30 Οκτωβρίου-1 Νοεμβρίου 2015)
- 7) 29^ο Διεθνές Συνέδριο EFFoST (10-12 Νοεμβρίου 2015)
- 8) Επιχειρηματική ανακάλυψη στη Δυτική Μακεδονία: Θεματικό workshop του κλάδου του κρασιού (14 Νοεμβρίου 2015)
- 9) Ημέρες Χημείας Τροφίμων 2015 (26-27 Νοεμβρίου 2015)
- 10) 55^η ετήσια συνάντηση και ToxExpo (13-17 Μαρτίου 2016)
- 11) Επιστημονικό workshop της Εταιρείας Ελλήνων Διατροφολόγων (16-17 Απριλίου 2016)
- 12) Vitafoods Europe 2016 (10 - 12 Μάιος 2016, Γενεύη)
- 13) Συμμετρίες / ασυμμετρίες. Ανισότητες γνώσης και δύναμης στις μελέτες STS (6-10 Ιουνίου 2016, Αθήνα)
- 14) Ελληνικές Ημέρες Χημείας 2017: Προσωπικό διατροφικό πρόγραμμα βασισμένο στην ατομική κατάσταση οξειδοαναγώγης
- 15) Πανεπιστήμιο Sheyang, Κίνα: Αποτοξινωτικές θεραπείες σήμερα, Οκτώβριος 2017
- 16) Agrotica Expo Greece, Φεβρουάριος 2017: Συνδυάζοντας τα γεωδεδομένα με τα βιολογικά δεδομένα στην παραγωγή φρούτων
- 17) Κλινική Buchinger, Γερμανία, Προσκεκλημένος Ομιλητής, Μάιος 2018
- 18) Παγκόσμια Ακαδημία Επιστημών, Μπανγκόνγκ Ταϊλάνδη, Μάρτιος 2019
- 18) Eurotox Ελσίνσκι, προσκεκλημένος ομιλητής, Σεπτέμβριος 2019
- 19) Διεθνές συνέδριο για τη Μοριακή Ιατρική, Σπάρτη, Οκτώβριος 2019
- 20) 22nd International Conference on Oxidative Stress Reduction, Redox Homeostasis and Antioxidants - Paris Redox 2020 – Παρίσι, Γαλλία, Οκτώβριος 8-9, 2020

**Μητρική γλώσσα
Ξένες γλώσσες**

Ελληνικά
Αγγλικά (Επίπεδο B2)