

# **CURRICULUM VITAE** **SOTIRIOS BOTAITIS, MD**

## **BIOGRAPHICAL**

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DATE OF BIRTH: November 20, 1967  
PLACE OF BIRTH: Katerini, Greece  
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CITIZENSHIP: Greek  
LANGUAGES: Fluent: English, Greek, Italien

## **EDUCATION/TRAINING**

1981 – 1985 1o High School of Katerini, Greece.  
1987 – 1993 Medical school of Alexandroupolis, Democritus University of  
Thrace  
1994– 1995 General Surgery Residency at 424 Military Hospital of  
Thessaloniki.  
1996 – 2002 General Surgery Residency at B` Department of Surgery,  
Medical school of Alexandroupolis, Democritus University of  
Thrace.  
2003 – 2005 Consultant in General Surgeon at B` Department of Surgery.  
University Hospital of Alexandroupolis.  
2004 PhD in General Surgery  
2005 Center for Experimental Surgery, Institute of Biomedical Research  
of the Academy of Athens (IIBEAA).  
2009-2010 Thomas E. Starzl Transplantation Institute UPMC, Pittsburgh

## **ACADEMIC APPOINTMENTS**

Professor of General Surgery. A` Department of Surgery. Democritus University of Thrace, Alexandroupolis Medical School

## **LICENSURE AND CERTIFICATIONS**

- Hellenic Full Medical License, Issued July 27, 1993.
- Diplomate, Hellenic Board of Surgery, December 2002.

## **PROFESSIONAL MEMBERSHIPS**

- Hellenic Society of Surgery, Active Member.
- Hellenic Society of Hernia, Active Member.
- Hellenic Society of Surgical infections, Active Member.
- Hellenic Society of Coloproctology, Active Member.
- European Hernia Society, Active Member

## **RESEARCH INTEREST**

General surgery, laparoscopic surgery, biochemistry, toxicology and pharmaceutic, pharmacology, genetics and molecular biology, cytokines, protein rich plasma (PRP), TNF, colorectal surgery

## **List of pubmed publications**

1. Mitsiogianni M, Koutsidis G, Mavroudis N, Trafalis DT, Botaitis S, Franco R, Zoumpourlis V, Amery T, Galanis A, Pappa A, Panayiotidis MI. The Role of Isothiocyanates as Cancer Chemo-Preventive, Chemo-Therapeutic and Anti-Melanoma Agents. *Antioxidants (Basel)*. 2019 Apr 18;8(4):106. doi: 10.3390/antiox8040106.
2. Mantso T, Vasileiadis S, Lampri E, Botaitis S, Perente S, Simopoulos C, Chlichlia K, Pappa A, Panayiotidis MI. Hyperthermia Suppresses Post - In Vitro Proliferation and Tumor Growth in Murine Malignant Melanoma and Colon Carcinoma. *Anticancer Res*. 2019 May;39(5):2307-2315. doi: 10.21873/anticancer.13347.
3. Mantso T, Goussetis G, Franco R, Botaitis S, Pappa A, Panayiotidis M. Effects of hyperthermia as a mitigation strategy in DNA damage-based cancer therapies. *Semin Cancer Biol*. 2016 Jun;37-38:96-105. doi: 10.1016/j.semcancer.2016.03.004.
4. Mantso T, Trafalis DT, Botaitis S, Franco R, Pappa A, Rupasinghe HPV, Panayiotidis MI. Novel Docosahexaenoic Acid Ester of Phloridzin Inhibits Proliferation and Triggers Apoptosis in an In Vitro Model of Skin Cancer. *Antioxidants (Basel)*. 2018 Dec 11;7(12):188. doi: 10.3390/antiox7120188.
5. Mantso T, Vasileiadis S, Anestopoulos I, Voulgaridou GP, Lampri E, Botaitis S, Kontomanolis EN, Simopoulos C, Goussetis G, Franco R, Chlichlia K, Pappa A, Panayiotidis MI. Hyperthermia induces therapeutic effectiveness and potentiates adjuvant therapy with non-targeted and targeted drugs in an in vitro model of human malignant melanoma. *Sci Rep*. 2018 Jul 16;8(1):10724. doi: 10.1038/s41598-018-29018-0.
6. Karayiannakis AJ, Polychronidis A, Perente S, Botaitis S, Simopoulos C. Laparoscopic cholecystectomy in patients with previous upper or lower abdominal surgery. *Surg Endosc*. 2004 Jan;18(1):97-101. doi: 10.1007/s00464-003-9001-4.
7. Saxami G, Karapetsas A, Chondrou P, Vasiliadis S, Lamprianidou E, Kotsianidis I, Ypsilantis P, Botaitis S, Simopoulos C, Galanis A. Potentially probiotic *Lactobacillus* strains with anti-proliferative activity induce cytokine/chemokine production and neutrophil recruitment in mice.

- Benef Microbes. 2017 Aug 24;8(4):615-623. doi: 10.3920/BM2016.0202.
8. Mantso T, Sfakianos AP, Atkinson A, Anastopoulos I, Mitsiogianni M, Botaitis S, Perente S, Simopoulos C, Vasileiadis S, Franco R, Pappa A, Panayiotidis MI. Development of a Novel Experimental In Vitro Model of Isothiocyanate-induced Apoptosis in Human Malignant Melanoma Cells. *Anticancer Res.* 2016 Dec;36(12):6303-6309. doi: 10.21873/anticancerres.11226.
  9. Polychronidis A, Botaitis S, Tsaroucha A, Tripsianis G, Bounovas A, Pitiakoudis M, Simopoulos C. Laparoscopic cholecystectomy in elderly patients. *J Gastrointest Liver Dis.* 2008 Sep;17(3):309-13.
  10. Mitsiogianni M, Mantso T, Trafalis DT, Vasantha Rupasinghe HP, Zoumpourlis V, Franco R, Botaitis S, Pappa A, Panayiotidis MI. Allyl isothiocyanate regulates lysine acetylation and methylation marks in an experimental model of malignant melanoma. *Eur J Nutr.* 2020 Mar;59(2):557-569. doi: 10.1007/s00394-019-01925-6.
  11. Botaitis S, Polychronidis A, Pitiakoudis M, Perente S, Simopoulos C. Does gender affect laparoscopic cholecystectomy? *Surg Laparosc Endosc Percutan Tech.* 2008 Apr;18(2):157-61. doi: 10.1097/SLE.0b013e318165c899.
  12. Simopoulos C, Polychronidis A, Botaitis S, Perente S, Pitiakoudis M. Laparoscopic cholecystectomy in obese patients. *Obes Surg.* 2005 Feb;15(2):243-6. doi: 10.1381/0960892053268516.
  13. Lyras DN, Kazakos K, Tilkeridis K, Kokka A, Ververidis A, Botaitis S, Agrogiannis G. Temporal and Spatial Expression of TGF- $\beta$ 1 in the Early Phase of Patellar Tendon Healing after Application of Platelet Rich Plasma. *Arch Bone Jt Surg.* 2016 Apr;4(2):156-60.
  14. Pitiakoudis M, Botaitis S, Romanidis K, Charalampidis D, Polychronides A, Simopoulos C. Single-trocar transumbilical laparoscopy-assisted management of complicated jejunal diverticula. *Surg Laparosc Endosc Percutan Tech.* 2013 Apr;23(2):e78-80. doi: 10.1097/SLE.0b013e31826e4816.
  15. Tripsianis G, Papadopoulou E, Anagnostopoulos K, Botaitis S, Katotomichelakis M, Romanidis K, Kontomanolis E, Tentis I, Kortsaris A. Coexpression of IL-6 and TNF- $\alpha$ : prognostic significance on breast cancer outcome. *Neoplasma.* 2014;61(2):205-12. doi: 10.4149/neo\_2014\_026.
  16. Froudarakis ME, Greillier L, Monjanel-Mouterde S, Koutsopoulos A, Devictor-Pierre B, Guilhaumou R, Karpathiou G, Botaitis S, Astoul P. Intrapleural administration of lipoplatin in an animal model. *Lung Cancer.* 2011 Apr;72(1):78-83. doi: 10.1016/j.lungcan.2010.07.010.
  17. Zois CE, Giatromanolaki A, Kainulainen H, Botaitis S, Torvinen S, Simopoulos C, Kortsaris A, Sivridis E, Koukourakis MI. Lung autophagic response following exposure of mice to whole body irradiation, with and without amifostine. *Biochem Biophys Res Commun.* 2011 Jan 7;404(1):552-8. doi: 10.1016/j.bbrc.2010.12.024.
  18. Lyras D, Kazakos K, Verettas D, Polychronidis A, Simopoulos C, Botaitis S, Agrogiannis G, Kokka A, Patsouris E. Immunohistochemical study of angiogenesis after local administration of platelet-rich plasma in a patellar tendon defect. *Int Orthop.* 2010 Feb;34(1):143-8. doi: 10.1007/s00264-009-0728-y.
  19. Spyridopoulos T, Lambropoulou M, Pagonopoulou O, Birbilis T, Tsaroucha AK, Kouzi-Koliakou K, Botaitis S, Deftereou TE, Gaitanidis A, Pitiakoudis M. Regenerated Nerve Defects with a Nerve Conduit Containing Dental Pulp Stem Cells in Pigs: An Immunohistochemical and Electrophysiological Evaluation. *J Reconstr Microsurg.* 2015 Sep;31(7):516-26. doi: 10.1055/s-0035-1555751.
  20. Simopoulos C, Botaitis S, Polychronidis A, Tripsianis G, Karayiannakis AJ. Risk factors for conversion of laparoscopic cholecystectomy to open cholecystectomy. *Surg Endosc.* 2005 Jul;19(7):905-9. doi: 10.1007/s00464-004-2197-0.
  21. Simopoulos C, Botaitis S, Polychronidis A, Tripsianis G, Perente S, Pitiakoudis M.

Laparoscopic cholecystectomy in patients with empyematous cholecystitis: an outcome analysis.

Indian J Surg. 2009 Oct;71(5):258-64. doi: 10.1007/s12262-009-0075-7.

22. Zois CE, Giatromanolaki A, Sivridis E, Tokmakidis SP, Botaitis S, Simopoulos C, Kortsaris A, Koukourakis MI.

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Surg Endosc. 2009 Feb;23(2):394-402. doi: 10.1007/s00464-008-9930-z.

24. Lyras DN, Kazakos K, Verettas D, Polychronidis A, Tryfonidis M, Botaitis S, Agrogiannis G, Simopoulos C, Kokka A, Patsouris E.

The influence of platelet-rich plasma on angiogenesis during the early phase of tendon healing.

Foot Ankle Int. 2009 Nov;30(11):1101-6. doi: 10.3113/FAI.2009.1101.

25. Kazakos K, Lyras DN, Thomaidis V, Agrogiannis G, Botaitis S, Drosos G, Kokka A, Verettas D.

Application of PRP gel alone or in combination with guided bone regeneration does not enhance bone healing process: An experimental study in rabbits.

J Craniomaxillofac Surg. 2011 Jan;39(1):49-53. doi: 10.1016/j.jcms.2010.03.005.

26. Simopoulos C, Botaitis S, Karayiannakis AJ, Tripsianis G, Pitiakoudis M, Polychronidis A.

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Am Surg. 2007 Apr;73(4):371-6.

27. Tripsianis G, Papadopoulou E, Romanidis K, Katotomichelakis M, Anagnostopoulos K, Kontomanolis E, Botaitis S, Tentis I, Kortsaris A.

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Asian Pac J Cancer Prev. 2013;14(11):6813-20. doi: 10.7314/apjcp.2013.14.11.6813.

28. Polychronidis A, Perente S, Botaitis S, Sivridis E, Simopoulos C.

Giant multilocular epidermoid cyst on the left buttock.

Dermatol Surg. 2005 Oct;31(10):1323-4. doi: 10.1111/j.1524-4725.2005.31211.

29. Lyras DN, Kazakos K, Verettas D, Botaitis S, Agrogiannis G, Kokka A, Pitiakoudis M, Kotzakis A.

The effect of platelet-rich plasma gel in the early phase of patellar tendon healing.

Arch Orthop Trauma Surg. 2009 Nov;129(11):1577-82. doi: 10.1007/s00402-009-0935-4.

30. Simopoulos C, Polychronidis A, Perente S, Botaitis S, Zoumpos I.

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Surg Endosc. 2000 Jun;14(6):594. doi: 10.1007/s004640000133.

31. Botaitis S, Pitiakoudis M, Perente S, Tripsianis G, Polychronidis A, Simopoulos C.

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S Afr J Surg. 2012 Jul 11;50(3):62, 64, 68. doi: 10.7196/sajs.1284.

32. Thomaidis V, Kazakos K, Lyras DN, Dimitrakopoulos I, Lazaridis N, Karakasis D, Botaitis S, Agrogiannis G.

Comparative study of 5 different membranes for guided bone regeneration of rabbit mandibular defects beyond critical size.

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33. Polychronidis A, Karayiannakis AJ, Perente S, Botaitis S, Simopoulos C.

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Surg Today. 2003;33(8):620-2. doi: 10.1007/s00595-003-2340-x.

34. Kambouri K, Gardikis S, Giatromanolaki A, Efstathiou E, Pitiakoudis M, Ipsilantis P, Botaitis S, Perente S, Antypas S, Polychronidis A, Sivridis E, Simopoulos C.

Comparison of angiogenic activity after urethral reconstruction using free grafts and pedicle flap: an experimental study.

Eur J Pediatr Surg. 2006 Oct;16(5):323-8. doi: 10.1055/s-2006-924601.

35. Chondrou P, Karapetsas A, Kiouisi DE, Vasileiadis S, Ypsilantis P, Botaitis S, Alexopoulos A, Plessas S, Bezirtzoglou E, Galanis A.  
Assessment of the Immunomodulatory Properties of the Probiotic Strain *Lactobacillus paracasei* K5 in vitro and In Vivo.  
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36. Lyras DN, Kazakos K, Tryfonidis M, Agrogiannis G, Botaitis S, Kokka A, Drosos G, Tilkeridis K, Verettas D.  
Temporal and spatial expression of TGF-beta1 in an Achilles tendon section model after application of platelet-rich plasma.  
*Foot Ankle Surg*. 2010 Sep;16(3):137-41. doi: 10.1016/j.fas.2009.09.002.
37. Pitiakoudis M, Zezos P, Oikonomou A, Tsalikidis C, Kouklakis G, Botaitis S, Simopoulos C.  
Laparoscopic resection of a pancreatic serous cystadenoma preserving the integrity of main pancreatic duct: a case report.  
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38. Koukourakis MI, Simopoulos C, Polychronidis A, Perente S, Botaitis S, Giatromanolaki A, Sivridis E.  
The effect of trastuzumab/docetaxel combination on breast cancer angiogenesis: dichotomus effect predictable by the HIF1 alpha/VEGF pre-treatment status?  
*Anticancer Res*. 2003 Mar-Apr;23(2C):1673-80.
39. Polychronidis AC, Tsaroucha AK, Samolis SP, Botaitis SK, Perente SS, Simopoulos CE.  
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*Folia Med (Plovdiv)*. 2003;45(1):20-4.
40. Gardikis S, Giatromanolaki A, Ypsilantis P, Botaitis S, Perente S, Kambouri A, Efstathiou E, Antypas S, Polychronidis A, Touloupidis S, Sivridis E, Simopoulos C.  
Comparison of angiogenic activities after urethral reconstruction using free grafts in rabbits.  
*Eur Urol*. 2005 Mar;47(3):417-21. doi: 10.1016/j.eururo.2004.10.014.
41. Polychronidis A, Karayiannakis A, Botaitis S, Perente S, Simopoulos C.  
Laparoscopic cholecystectomy in a patient with situs inversus totalis and previous abdominal surgery.  
*Surg Endosc*. 2002 Jul;16(7):1110. doi: 10.1007/s00464-001-4242-6.
42. Polychronidis A, Tsolos C, Sivridis E, Botaitis S, Simopoulos C.  
Spermatic cord metastasis as an initial manifestation of sigmoid colon carcinoma: report of a case.  
*Surg Today*. 2002;32(4):376-7. doi: 10.1007/s005950200056.
43. Pitiakoudis M, Zezos P, Kouklakis G, Fotakis S, Romanidis K, Nagorni E-A, Tsalikidis C, Botaitis S, Iatrou C, Simopoulos C.  
Somatostatin Infusions Reduce Post-Operative Bile Leak after Hepatopancreatobiliary Surgery: An Observational Preliminary Study.  
*British Journal of Medicine & Medical Research* 2013; 3(4):1621-1630
44. Kambouri K, Aggelidou M, Deftereos S, Tsalikidis C, Chloropoulou P, Botaitis S, Giannakopoulos S, Pitiakoudis M.  
Comparison of Two Tubularized Incised Plate Urethroplasty Techniques in Hypospadias Reconstructive Surgery. *World J Plast Surg*
45. Polychronidis A, Perente S, Botaitis S, Demetriadis G, Simopoulos C.  
Giant hydrocele associated with a large inguinoscrotal hernia  
*Br J Urology* 2002; 89: 1-2.
46. Botaitis S, Mitsala A, Perente S, Simopoulos C.  
Prevention and Management of Staple Line Leaks after Laparoscopic Sleeve Gastrectomy  
*Journal of Anesthesia and Surgery* 2008 5 (1): 95-102 <https://doi.org/10.15436/2377-1364.18.1897>
47. Botaitis S, Charalampidis D, Perente S, Polychronidis A.. Benign Subcutaneous Emphysema of the Upper Extremity after Unsuccessful Venous Catheterization: Report of a Case. *Mathews J Case Rep* 2019 4(3): 55.
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NIHR Global Health Research Unit on Global Surgery.

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52. Mantso T, Goussetis G, Franco R, Botaitis S, Pappa A, Panayiotidis M. Effects of hyperthermia as a mitigation strategy in DNA damage-based cancer therapies. Semin Cancer Biol. 2016 Jun;37-38:96-105. doi: 10.1016/j.semcancer.2016.03.004.

53. Anestopoulos I, Paraskevaïdis I, Kyriakou S, Potamiti L, Trafalis DT, Botaitis S, Franco R, Pappa A, Panayiotidis MI. Isothiocyanates Enhance the Anti-Melanoma Effect of Zebularine Through Modulation of Apoptosis and Regulation of DNMTs' Expression, Chromatin Configuration and Histone Posttranslational Modifications Associated with Altered Gene Expression Patterns. Epigenomes. 2025 Feb 25;9(1):7. doi: 10.3390/epigenomes9010007.

54. Mitsiogianni M, Koutsidis G, Mavroudis N, Trafalis DT, Botaitis S, Franco R, Zoumpourlis V, Amery T, Galanis A, Pappa A, Panayiotidis MI. The Role of Isothiocyanates as Cancer Chemo-Preventive, Chemo-Therapeutic and Anti-Melanoma Agents. Antioxidants (Basel). 2019 Apr 18;8(4):106. doi: 10.3390/antiox8040106.

55. Diamantidis D, Papatheodorou N, Kostoglou P, Tsakalidis G, Botaitis S. Management of vesicoenteric fistulas arising from perforated Meckel's diverticulum: a report of a case and review of the literature. Oxf Med Case Reports. 2024 Feb 16;2024(2):omad155. doi: 10.1093/omcr/omad155.

56. Anestopoulos I, Kyriakou S, Deligiorgi MV, Trafalis DT, Botaitis S, Giatromanolaki AN, Franco R, Koukourakis MI, Pappa A, Panayiotidis MI. Phytochemicals with epigenetic properties and their role in melanoma therapy. Int Rev Cell Mol Biol. 2026;400:1-30. doi: 10.1016/bs.ircmb.2024.12.001.

57. Koukourakis MI, Kavazis C, Giagtzidis A, Mamalis P, Tsaroucha A, Botaitis S, Giatromanolaki A, Pitiakoudis M. Postoperative hypofractionated-accelerated radiotherapy (HypoAR) for locally advanced rectal cancer. Jpn J Clin Oncol. 2022 May 5;52(5):493-498. doi: 10.1093/jjco/hyab216.

58. Papatheodorou N Sr, Diamantidis DE, Perente S, Botaitis S. Evisceration of a Small Bowel Segment Through a Drain Site: Lesson Learnt. Cureus. 2022 Nov 2;14(11):e30996. doi: 10.7759/cureus.30996.

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60. Anestopoulos I, Paraskevaïdis I, Kyriakou S, Giova LE, Trafalis DT, Botaitis S, Franco R, Pappa A, Panayiotidis MI. Isothiocyanates Potentiate Tazemetostat-Induced Apoptosis by Modulating the Expression of Apoptotic Genes, Members of Polycomb Repressive Complex 2, and Levels of Tri-Methylating Lysine 27 at Histone 3 in Human Malignant Melanoma Cells. Int J Mol Sci. 2024 Feb 27;25(5):2745. doi: 10.3390/ijms25052745.

61. Botaitis S, Stamos C, Perente S. Subcutaneous Chest Wall Metastasis From Bladder Carcinoma Over the Totally Implantable Venous Access Port: A Rare Complication. Cureus. 2024 Oct 1;16(10):e70598. doi: 10.7759/cureus.70598.

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64. Papatheodorou N, Keskinis A, Georgoulas P, Tilkeridis K, Botaitis S, Perente S, Kougioumtzi I. Hand compartment syndrome due to extravasation of contrast medium. A technical error. A report of a case and review of the literature. *J Surg Case Rep*. 2022 Mar 4;2022(3):rjac054. doi: 10.1093/jscr/rjac054.
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