

CURRICULUM VITAE

Last updated July 2017

1. Personal Details

Surname	Saad
First Name	Bashar
Nationality	Israel + Swiss
Permanent Home Address	Egbaria, P.O.Box 2192, 30010 Um el Fahm
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2. Education

1965 - 1975	Primary and secondary school in Um el Fahm
1976 - 1979	Grammar school in Afula
1979	Bagrut with major in Biology and Chemistry

Higher Education**A. Undergraduate and Graduate Studies**

Oct 1980 – Oct. 1985	MS in Biology at the University of Zurich
Oct. 1985	Graduation in Biology (Genetics, Developmental Biology, Cytology) and Biochemistry (Biochemistry III-IV, Medical Biochemistry, Hormones, Membranes) (Final evaluation: 95/100) Master thesis under the supervision of PD. Dr. E. Hauschtek-Jungen: Title of thesis: “ <i>Autoradiographic investigations on RNA-synthesis during spermatogenesis of Drosophila subobscura</i> ” (Final evaluation: 100/100)
Jan. 1986 – July 1988	PhD thesis under the supervision of Prof Dr. H.R. Bosshard at the Institute of Biochemistry, University of Zurich. Research and Teaching assistant at the Institute of Biochemistry and the Institute of Zoology
July 1988	Presentation of the PhD thesis: <i>Conformational antigenic determinants on native and denatured Cytochrome c - a protein- and immunochemical investigation</i>

B. Post-Doctoral Studies

- Nov. 1988 - Mar. 1991:** Postdoctoral studies at the Institute of Neurobiology at the Swiss Federal Institute of Technology -Zurich (ETH Zurich), Head: Prof Dr. M. Schachner
- Apr. 1991 - Dec. 1993:** Postdoctoral studies at the Institute of Toxicology at the ETH Zurich and University of Zurich. Collaboration with PD. Dr. P. Maier at the Department of Cellular Toxicology, Head: Prof Dr. Zbinden

3. Academic Ranks and Tenure in Institutes of Higher Education

- Jan. 1994 - Aug. 2000** “Oberassistent” = Assistant Prof at the Institute of Polymers at the ETH Zurich and at the Research Division, Dep. of Surgery, University Hospital Zurich
- Sept. 2000-** Arab-American University-Jenin (AAUJ)-/PA.
Associate Prof Aug. 2002
Full Prof (Since Dec. 2007)
- Sept. 2000 - Oct. 2008** Senior Scientist at the Regional Research&Development - The Galilee Society.
- July-2008 - Present:** Senior researcher and Senior lecturer (since 2011) at Qasemi Research Centre- Al-Qasemi Academic College, Baga Algharbiya, Israel
- Nov. 2011:** Prof Degree (Associate) from Israel Council of Higher Education
- February 2018:** Prof Degree (Full) from Israel Council of Higher Education

4. Offices in Academic Administration

- Oct. 2003- July 2005 Scientific director of the Regional Research & Development - The Galilee Society
- Sep. 2008-Oct 2009 Dean of scientific research at The Arab-American University-Jenin/PA.
- Oct. 2010 – Oct. 2013 Dean of scientific research centre at AlQasemi Academic College
- Oct. 2012 – Oct. 2013 Dean of the Faculty of Sciences and research centre at AlQasemi Academic College
- Oct. 2012 – Present Head of the Higher Education Council of AlQasemi Academic College
- Feb. 2013 – Present President of AlQasemi Academic College

5. Scholarly Positions and Activities outside the Institution

Member of Editorial Boards:

1. Evidence based Alternative and Complementary Medicine, Oxford Journals (eCAM) 2004-2014
2. Bioscience Biotechnology Research Communications, (BBRC) Since 2010
3. Journal of Evidence-Based Complementary & Alternative Medicine Since 2010
4. Arabian Journal of Medicinal and Aromatic Plants Since 2015

6. Participation in Conferences

a. Active Participation

Oral presentations:

1. Saad B, Scholl FA, Schawalder HP, & Maier P, (1992) Crude liver membrane fractions as substrate preserve liver specific functions and their adaptive response toward xenobiotics in cultured rat hepatocytes. *Herbsttagung, 13/14 November 1992 der Sektion Toxicologie, Lausanne.*
2. Maier P, Saad B, & Schawalder HP, (1992) Physiological oxygen tension modulates xenobiotic metabolism and adaptive response. *Herbsttagung, 13/14 November 1992 der Sektion Toxicologie, Lausanne.*
3. Saad B, Matter S, Uhlschmid GK, Hirt T, Trentz OA, Neuenschwander P, & Suter UW, (1995) In vitro Charakterisierung der Biokompatibilität eines neuen Polyesterurethans für chirurgische Anwendung. *Berlin, Germany*
4. Saad, B, Matter S, Uhlschmid GK, Hirt T, Neuenschwander P, & Suter UW, (1995) Bestimmung der Biokompatibilität eines neuen Polyesterurethans für chirurgische Anwendung. *Schweizerische Gesellschaft für Chirurgie. Lugano, Switzerland*
5. Saad, B, Matter S, Ciardelli G, Uhlschmid GK, Welti M, Neuenschwander P, & Suter UW, (1996). Growth of osteoblasts and macrophages on novel biodegradable polyesterurethane scaffold. *5th World Biomaterials Congress, may 29 - June 2, 1996, Toronto, Canada*
6. Saad B, Tun kyi A, Moro M, Matter S, Welti M, Uhlschmid GK, Neuenschwander P, & Suter UW, (1997) Interaction of chondrocytes with Degrapol® structures, biodegradable and highly porous polyesterurethane foams. *13th European Conference on Biomaterials. September, 4-7, 1997, Goteborg, Sweden.*
7. Huber Th, Saad B, Tun kyi A, Schmutz P, Uhlschmid GK, Welti M, Neuenschwander P, & Suter UW, (1997) DegraPol® -foam, a biodegradable and highly porous polyesterurethane-scaffold: in vitro evaluation of osteoblast biocompatibility. *European Tissue Repair Symposium, August 20-22, 1997, Freiburg, Germany.*
8. Sukthankar B, Saad B, Stoll R, Welti, Uhlschmid GK, Neuenschwander P, & Suter UW, (1997) Degrapol® -foam, a biodegradable and highly porous polyesterurethane-scaffold: in vitro investigations of tendon biocompatibility. *European Tissue Repair Symposium, August 20-22, 1997, Freiburg, Germany.*
9. Bochmann F, Saad B, Uhlschmid GK, Neuenschwander P, & Suter UW, (1997) Degrabloc® a liquid radiopaque polymer for chemo-embolization. *European Tissue Repair Symposium Freiburg, August 20-22, 1997, Freiburg, Germany.*

10. Casotti M., Saad B, Huber T, Schmutz P, Ciardelli G, Welti M, Uhlschmid GK, Neuenschwander P, & Suter UW, (1997) Degrapol® -foam, a biodegradable and highly porous polyesterurethane-scaffold: in vitro investigations of bone biocompatibility. *European Tissue Repair Symposium, Freiburg, (August 20-22, August 20-22, 1997, Freiburg, Germany)*
11. Tun kyi A, Saad B, Moro M, Matter S, Welti M, Uhlschmid GK, Neuenschwander P, & Suter UW, (1997) Degrapol® -foam, a biodegradable and highly porous polyesterurethane-scaffold, as substrate for the formation of neo-cartilage. *European Tissue Repair Symposium, August 20-22, 1997, Freiburg, Germany*
12. Saad B, Casotti M, Welti M, Uhlschmid GK, Neuenschwander P, & Suter UW, (1998) Biodegradable and highly porous DegraPol-foam as cell carrier for osteoblast transplantation. *33rd Congress of the European Society for Surgical Research, April 22-25, 1998, Padua, Italy.*
13. Saad B, M. Welti, Uhlschmid GK, Neuenschwander P, & Suter UW, (1999) Highly porous and biodegradable DegraPol-foam as osteoblast carrier: in vitro evaluations. The Cell Transplantation Society, *Fourth International Congress, March 21-24, 1999, Montreux/Switzerland.*
14. Saad B, Tun Kyi A, Moro M, Matter S, Welti M, Uhlschmid GK, Neuenschwander, & Suter UW, (1999) Interaction of chondrocytes with DEGRAPOL® structures, biodegradable and highly porous polyesterurethane foams, *Cells & Materials Meeting, Bone & Soft tissue Biomaterial interactions, August 22- 24 1999, Davos, Switzerland*
15. Saad B, Casotti M, Huber T, Schmutz P, Welti M, Uhlschmid GK, Neuenschwander P, & Suter UW, (1999) Porous Polyesterurethane Foams, *Cells & Materials Meeting, Bone & Soft tissue Biomaterial interactions, August 22- 24 1999, Davos, Switzerland*
16. Saad B, Uhlschmid GK, Neuenschwander P, & Suter UW, (1999). In vitro evaluations of degrapol foam: a new substrate for cell transplantation. *XII World Congress of International Society for Artificial Organs, August 3-6, 1999, Edinburgh, UK.*
17. Saad B, (2002) Indigenous medicinal plants as a source of new pharmacological substances for the treatment of liver and skin diseases. *Congress of the Galilee Society, Public Health. January 2002, Nazareth, Israel.*
18. Saad B, (2007) scientific research at the Arab American University. *Congress of the Arab academics, April 2007, AAUJ, Jenin-PA*
19. Saad B, Soudah- Abo Atta B, Kmeel A, Azaizeh H, & Said O, (2007) The anti-psoriatic effects of *Hypericum triquetrifolium* and *Peganum harmale* derived factors are mediated by Inflammatory and anti-inflammatory cytokines, The First Regional Scientific Conference on Traditional Arabic and Islamic Medicine, August 8-10, 2007, Amman, Jordan
20. Said O, Saad B, Khalil K, & Kassis E, (2008) Anti-overweight effects of 'Weighlevel', an herbal combination of *Alchemilla vulgaris L.*, *Olea europaea L.*, *Mentha longifolia L* and *Cuminum cyminum L.*, traditionally used in Arab herbal medicine. *5th Congress on Scientific Research Outlook & Technology (SRO5) 26-30 October, 2008-Fez-Morocco".*
21. Said O, Saad B, Fulder S, Khalil K, & Kassis E, (2008) Extract of *Ferula Assa-foetida L.*, a traditional Arab-Islamic herb, enhances male fertility and sexual functioning in animals and man. *5th Congress on Scientific Research Outlook & Technology (SRO5) 26-30 October, 2008-Fez-Morocco".*
22. Said O, Saad B, & Khalil K, (2008) Investigation of anti-Acne effects of herbs used in the traditional Arab herbal medicine. *5th Congress on Scientific Research Outlook & Technology (SRO5) 26-30 October, 2008-Fez-Morocco".*
23. Said O, Khalil K, & Saad B, (2008) Maintaining a physiological blood glucose level with "Glucoselevel" a combination of anti-diabetes plants used in the traditional Arab herbal medicine. *5th Congress on Scientific Research Outlook & Technology (SRO5) 26-30 October, 2008-Fez-Morocco".*

Since the last promotion:

24. Zaid H, & Saad B, (2010) Palestinian Herbal Plant Increases glucose disposal by skeletal muscle cell line” *2nd Conference on biotechnology research and applications in Palestine” September 19, 2010, Al-Najah University, PA*
25. Mahajna S, Hadieh B, Zaid H, Abo Farich B, Soroka Y, Said O, & Saad B, (2012) The Anti-Psoriatic Effects of *Hypericum triquetrifolium* and *Peganum harmale* -Derived Factors are Mediated by Down Regulation of Pro-inflammatory Cytokines and up Regulation of Apoptosis. *Third ISMP, November 21-22, 2012 Petra, Jordan.*
26. Kmail A, Lyoussi B, Zaid H, Imtara H, & Saad B, (2016) Assessment of antioxidant and anti-inflammatory properties of Palestinian medicinal plants using monocultures and co-cultures of monocytes and hepatocytes. *Third Symposium on analytical chemistry for sustainable development, May 11th-12th. Marrakech-Morocco*

Poster presentations:

27. Saad B, Gorrardin G, & Bosshard HR, (1988). A discontinuous antigenic determinant on apocytochrome c, a protein of disordered structure. *14th International congress of biochemistry, July 10-15, Prague*
28. Saad B, Schawalder HP, & Maier P, (1992). Maintenance of functional rat hepatocytes on rat liver crude membrane fractions in serum-free culture medium, *July 26-31, Madrid, Spain.*
29. Saad B, Schawalder HP, & Maier P, (1992). Liver crude membrane fractions from rat liver improve the maintenance of liver specific functions in long term, serum-free rat hepatocyte cultures. In *Vitro Toxicology: 10th Anniversary Symposium of CAAT (April 14-16), Baltimore (USA)*
30. Maier, P, Saad B, & Schawalder HP, (1992). Oxygen tension in long-term primary rat hepatocyte cultures modifies gene expression of P-450 isoforms after exposure to xenobiotics. *13th European Workshop on Drug Metabolism, (September 21-25), Bergamo (Italy).*
31. Saad B, Scholl FA, & Maier P, (1993) Cell-substrate interactions regulate differentially cytochrome P-450 isoenzymes in cultured rat hepatocytes. *25th Annual Meeting of the Swiss Societies for Experimental Biology, March 25-26, 1993, Lausanne, Switzerland*
32. Maier, P., Saad B, & Schawalder HP, (1993) The response to xenobiotics of cultured rat hepatocytes is affected by physiological oxygen tension. *25th Annual Meeting of the Swiss Societies for Experimental Biology, March 25/26, 1993, Lausanne, Switzerland.*
33. Saad B, Péclard R, Christoffel M, Schawalder HP, Maier P, & Ryffel B, (1994). TNF α regulates the LPS-induced nitric oxide production in cultured rat hepatocytes. *Experientia, 50: 26th Annual Meeting of the Swiss Societies for Experimental Biology, March 17/18, 1994, Bern, Switzerland.*
34. Faciati R, Ohno K, Saad B, Ryffel B, & Maier P, (1994) TGF β inhibits the chemically induced mitogenic response in cultured rat hepatocytes. *Experientia, 50: 26th Annual Meeting of the Swiss Societies for Experimental Biology, March 17-18, 1994, Bern, Switzerland*
35. Saad B, Maier P, & Ryffel B, (1994). Hepatocyte-derived IL-6 mediates the LPS-induced acute phase response in cultured rat hepatocytes. *1994 Annual meeting, March 13-17, 1994, Dallas, Texas, USA.*

36. Saad B, & Maier P, (1994) Hepatocyte-derived IL-6 mediates the LPS-induced acute phase response by cultured rat hepatocytes FEBS 94: *FEBS special meeting, biological membranes (June 26-July 1, 1994). Helsinki, Finland.*
37. Saad B, G. Ciardelli G, Welti M, Uhlschmid GK, Neuenschwander P, & Suter UW, (1994) The effect of phagocytosis of low molecular weight Poly (R-3-hydroxybutyric acid) powders on macrophage viability and activation. *5th European polymer federation symposium on polymeric materials. October 9-12, 1994, Basel, Switzerland.*
38. Ciardelli G, Saad B, Matter S, Uhlschmid GK, Neuenschwander P, & Suter UW, (1994). Phagocytosis of pre-degraded and fluorescent-labelled Poly [(R)-3-hydroxybutyric acid] particles in macrophage and fibroblast cell lines. *5th European polymer federation symposium on polymeric materials, October 9-12, 1994, Basel, Switzerland.*
39. Hirt TD, Saad B, Uhlschmid GK, Redha F, Neuenschwander P, & Suter UW, (1994). New biocompatible, biodegradable, processable, tough and non-brittle polyesterurethanes. *5th european polymer federation symposium on polymeric materials, October 9-12, 1994, Basel, Switzerland.*
40. Keiser O, Saad B, Redha F, Uhlschmid GK, Neuenschwander P, & Suter UW, (1994). Rapidly biodegradable and biocompatible block-copolyester with adjustable mechanical properties. *Fifth European polymer federation symposium on polymeric materials, October 9-12, 1994, Basel, Switzerland.*
41. Saad B, Ciardelli G, Matter S, Welti M, Uhlschmid GK, Neuenschwander P, & Suter UW, (1995) Cell response of cultured macrophages and fibroblasts to Particles of short-chain Poly[(R)-3-hydroxybutyric acid)]. *12th European conference on biomaterials, September, 10-13, 1995, Porto, Portugal.*
42. Ciardelli G, Saad B, Hirt T, Uhlschmid GK, Neuenschwander P & Suter UW, (1995). Phagocytosis and biodegradation of short-chain Poly[(R)-3-hydroxybutyric acid)] particles in macrophages cell lines. *12th European conference on biomaterials. September, 10-13, 1995, Porto, Portugal.*
43. Matter S, Saad B, Uhlschmid GK, Marquardt K, Hirt T, Neuenschwander P, & Suter UW, (1995). In vitro characterization of macrophages and osteoblasts interactions with a newly developed, biodegradable, and highly porous polyesterurethane scaffold. *12th European conference on biomaterials. September, 10-13, 1995, Porto, Portugal.*
44. Hirt T, Saad B, Neuenschwander P, Uhlschmid GK, & Suter UW, (1995). Biocompatible, biodegradable, processable, and tough block-copolymers. *12th european conference on biomaterials. September, 10-13, 1995, Porto, Portugal.*
45. Matter S, Saad B, Uhlschmid GK, Hirt T, Welti M, Marquardt CK, Neuenschwander P, & Suter UW, (1995) biological response to newly developed, biodegradable, and highly porous polyesterurethane scaffold. *PAT, June 5-10, 1995, Pisa, Italy.*
46. Ciardelli G, Saad B, Hirt T, Keiser O, Uhlschmid GK, Neuenschwander P, & Suter UW (1995). Synthesis and in vitro characterisation of phagocytosis and biodegradation of short-chain Poly[(R)-3-hydroxybutyric acid)] particles in macrophages cell lines. *PAT, June 5-10, 1995, Pisa, Italy.*
47. Ciardelli G, Saad B, Hirt T, Keiser O, Neuenschwander P, & Suter UW, (1996). Biodegradation of novel block-polyesterurethanes based on low-molecular-weight Poly[(R)-3-hydroxybutyric acid)]. *Herbstversammlung 1996, Basel 21/11/1996, Basel, Switzerland*
48. Saad B, Casotti M, Huber Th, Schmutz P, Welti M, Uhlschmid GK, Neuenschwander P, & Suter UW, (1997) Interaction of osteoblasts with degrapol® structures, biodegradable and highly porous polyesterurethane foams. *13th European Conference on Biomaterials, September, 4-7, 1997, Göteborg, Sweden.*

49. Saad B, Casotti M, Huber Th, Schmutz P, Welte M, Uhlschmid GK, Neuenschwander P, & Suter UW, (1997) Interaction of osteoblasts with degrapol® structures, biodegradable and highly porous polyesterurethane foams. *Biosurf, September 25-26 1997, Zurich, Switzerland.*
50. Bochmann F, Saad B, Uhlschmid GK, Neuenschwander P, & Suter UW, (1997) Degrabloc® a liquid radiopaque polymer for chemo-embolization. In vivo and in vitro evaluations. *Biosurf I September 25-26 1997, Zurich, Switzerland.*
51. Duda S, Saad B, Welte M, Uhlschmid GK, Neuenschwander P, & Suter UW, (1999) Cell response to the flexibility of micro-structured environments. *Biosurf III, October 7-8, 1999, Zurich, Switzerland.*
52. Saad B, Uhlschmid GK, Neuenschwander P, & Suter UW, (1999). Biodegradable and elastic degrapol-foam as chondrocyte carrier. *XII World Congress of International Society for Artificial Organs, August 3-6, 1999, Edinburgh, UK.*
53. Saad, Callenbach T, Eggmann K, Welte M, Uhlschmid GK, & Suter UW, (1999). In vitro evaluation of the cell-compatibility of 3D-TCPS, a micro-structured tissue-culture device. *Annual Meeting of the Swiss Societies for Experimental Biology, October 14-15, 1999, Basel, Switzerland.*
54. Saad, B, Callenbach T, Eggmann K, Welte M, Uhlschmid GK, & Suter UW, (2000). In vitro evaluation of the cell-compatibility of 3D-TCPS, a micro-structured tissue-culture device. *Biosurf V, August 7-8, 2000, Zurich, Switzerland*
55. Saad B, Callenbach T, Brander K, Welte, Uhlschmid GK, Suter UW, (2001). Structoplate: a newly developed micro-structured 3D surface in multi-well-format for attachment-dependent cells. *Biosurf IV, September 20-21, 2001, Zurich, Switzerland*
56. Said O, Khaled Khalil, Stephen Fulder, Hassan Azaizeh, Eli Kassis, Saad B, (2007). "Stimu-Nat" is a proprietary extract of *Ferula Assa-foetida* L. to enhance male fertility and sexual functioning in animals and man. *The First Regional Scientific Conference on Traditional Arabic and Islamic Medicine, August 8-10, 2007, Amman, Jordan.*
57. Said O, Khaled Khalil, Stephen Fulder, Hassan Azaizeh, Eli Kassis, Brander, K., Saad B, (2007). Maintaining a physiological blood glucose level with the help of "Glucoselevel", a combination of four anti-diabetes plants used in the traditional Arab herbal medicine. *The First Regional Scientific Conference on Traditional Arabic and Islamic Medicine, August 8-10, 2007, Amman, Jordan.*
58. Said O, Saad B, Khalil K, (2007). Efficacy, safety and tolerability of "Strol-Down": A proprietary combination of loquat and olive leaves in maintaining a healthy fat level in the blood. *The First Regional Scientific Conference on Traditional Arabic and Islamic Medicine, August 8-10, 2007, Amman, Jordan,*
59. Said O, Khalil K, Fulder S, Azaizeh H, Kassis E, & Saad B, (2007). Anti-obesity effect of "Reductan", a combination of *Alchemilla vulgaris*, *Olea europaea*, *Mentha arvensis*, and *Cuminum cyminum* L, highly recommended in Arab herbal medicine. *The First Regional Scientific Conference on Traditional Arabic and Islamic Medicine, August 8-10, 2007, Amman, Jordan, .*
60. Said O, Saad B, Fulder S, Azaizeh H, Khalil K & Kassis E, (2007). "Stimu-Fem" is a proprietary combination of *Ferula assa-foetida* L. and *Capparis spinosa* L. to enhance fertility and sexual functioning in women. *The First Regional Scientific Conference on Traditional Arabic and Islamic Medicine, August 8-10, 2007, Amman, Jordan.*
61. Said O, Khalil K, Fulder S, Kassis E, & Saad B, (2008). "Glucoselevel", a combination of four anti-diabetes plants used in the traditional Arab herbal medicine, maintains a physiological blood glucose level. *The 5th Palestinian Conference for Clinical Laboratories, March 28-29, 2008, Jenin, PA*

62. Said O, Saad B, & Khalil K, (2008). Development of a novel Anti Acne product, using Arab traditional medicinal plant. *The 5th Palestinian Conference for Clinical Laboratories, March 28-29, 2008, Jenin, PA*
63. Said O, Fulder S, Khalil K, Nahhas F, & Eli Kassis E, Saad B, (2008) Enhancing male sexual functioning with the help of "Masculine" an extract of *Ferula assa-foetida L.* *The 5th Palestinian Conference for Clinical Laboratories, March 28-29, 2008, Jenin, PA*
64. Zaid H, Said O, & Saad B, (2010). Arab Herbal Medicine-based Combination of Four Anti-Diabetes Plants Stabilizes a Physiological Blood Glucose Level. *The 46th EASD Annual Meeting, Stockholm, Sweden.*
65. Hadiah B, Abo-Farich B, Said O, & Saad B, (2010) Anti-inflammatory effects of herbal-derived factors are mediated by down regulation of pro-inflammatory cytokines, *2nd Congress in Biotech, AlNajah University, 26-27 September 2010*

Since the last promotion

66. Hadieh B, Abo Farich B, Said O, & Saad B, (2012). Anti-Inflammatory Effects of *Hypericum triquetrifolium* and *Peganum harmale*, *3rd ISMP, November 21-22, 2012, Petra, Jordan.*
67. Kadan S, Saad B, Kmail A, Khasib S., & Zaid H, (2012) Greco-Arab-Based Medicinal Plants Diminish Insulin Resistance in Skeletal Muscle Cell Line, *3rd ISMP, November 21-22, 2012, Petra, Jordan.*
68. Kadan S, Zaid H, Saad B, Sasson Y, (2014) Novel active compounds in *Ocimum basilicum* treat insulin resistance: an *in vitro* study, *the Hebrew university for the faculty day May, 2014, Jerusalem, Israel*
69. Kmail A, Saad B, Zaid H, Imtara H, & Lyoussi B, (2016) Evaluation of anti-inflammatory and antioxidant effects of *Asparagus aphyllus L.*, *Crataegus azarolus L.*, and *Ephedra alata* Decne. in monocultures and co-cultures. *Third Symposium on analytical chemistry for sustainable development, May 11th-12th. Marrakech-Morocco.*
70. Kadan S, Mawasi H, Masalha M, Sasson Y, Saad B & Zaid H, (2016) Chemical Composition, Cytotoxicity, Antibacterial and Anti-diabetic Activities of *Teucrium polium L.* Extracts, *29th International Symposium on the Chemistry of Natural Products and the 9th International Conference on Biodiversity (ISCNP-29 & ICOB-9) September 24-27, 2016 Izmir-Turkey.*

b. Organization of Conferences

1. **Scientific committee** of "The First Regional Scientific Conference on Traditional Arabic and Islamic Medicine", August 8-10, 2007, Amman, Jordan.
2. **Scientific committee** of "The 5th Palestinian Conference for Clinical Laboratories", March 28-29, 2008, Jenin, PA
3. **Scientific committee** of the fifth Congress on Scientific Research Outlook & Technology (SRO5) 26-30 October 2008-Fez-Morocco.
4. **Scientific committee** of The Second Conference on Biotechnology Research and Applications in Palestine, 26-27th September 2010, An-Najah National University, PA.
5. **Organizing and scientific committee** of "The First Regional Scientific Conference on Traditional Arabic and Islamic Medicine", January 2010, Al-Qasemi Academic College, Baqa, Israel.
6. **Chair and organizing committee** of "Integrating Traditional Medicine in Research and Clinical Practice: "Transcending From the Roots", May 2011 Al-Qasemi Academic College, Baqa, Israel.

Since the last promotion:

7. **Scientific committee** of The Palestinian conference on graduate students research in natural and applied sciences, March 22, 2014, Birzeit University, PA.

8. **Co-Chair** of the Second Annual Givat Haviva Conference, Developing a Shared Society in Israel May 28, 2014 Givat Haviva Campus.
9. **Scientific committee** of the fourth conference on biotechnology research and application in Palestinian, March 21, 2016, Arab American University Jenin, PA.
10. **Organizing committee of Pre-conference workshop**, "Refugees with Chronic Diseases between the Middle-East and Europe: The role of traditional and integrative medicine in bridging gaps" World Congress Integrative Medicine & Health in Berlin May 3, 2017

Invited Lectures:

71. Saad B, Uhlschmid GK, Neuenschwander P, and Suter UW, (1998) *New Versatile, Elastomeric, Degradable Polymeric Materials for Medicine*. Tokyo
72. Saad B, Soudah- Abo Atta B, Kmeel A, Azaizeh H, Said O, (2007), *The anti-psoriatic effects of Hypericum triquetrifolium and Peganum harmale derived factors are mediated by Inflammatory and anti-inflammatory cytokines*, The First Regional Scientific Conference on Traditional Arabic and Islamic Medicine, August 8-10, 2007, Amman, Jordan,
73. Saad B, Basha W, Soudah AbouAtta B, Kmeel A, and Said O, (2008). *Herbal-derived factors down regulate the production levels of nitric oxide and pro-inflammatory cytokines IL-6 and TNF-a in LPS-Activated THP-1 cells*. The 5th Palestinian Conference for Clinical Laboratories, March 28-29, 2008, Jenin, PA.
74. Saad B, Basha W, Soudah AbouAtta B, Kmeel A, and Said O, (2008). *Herbal-derived factors down regulate the production levels of nitric oxide and pro-inflammatory cytokines IL-6 and TNF-a in LPS-Activated THP-1 cells*. The 5th Palestinian Conference for Clinical Laboratories, March 28-29, 2008, Jenin, PA.
75. Saad B, and Said O, (2008) *Integration of tradition with modern in vitro cell culture techniques*. 5th Congress on Scientific Research Outlook & Technology (SRO5) 26-30 October, 2008-Fez-Morocco".
76. Saad B, Basha W, Hmade A, and Said O, (2010) *Anti-inflammatory effects of herbal-derived factors are mediated by down regulation of pro-inflammatory cytokines*. 5th Congress on Scientific Research Outlook & Technology (SRO5) 26-30 October, 2008-Fez-Morocco".
77. Saad B, (2010) Medicinal plants in traditional Arabian medicine. The Islamic-based therapy meeting, January 7, 2010, AlQasmi academic College.
78. Saad B, (2010) *Medicinal plants in traditional Arabian medicine: From traditional use to scientific establishment*. The Jerusalem International Conference on Integrative Medicine, 19-22.October 2010, Jerusalem
79. Saad B, (2011) *The research base for the implementation of knowledge of traditional medicine in the treatment of the patient. Integrating Traditional Medicine in Research and Clinical Practice: "TRANSCENDING FROM THE ROOTS"*, Al-Qasemi Academic College, May 2011 Baqa, Israel.

Since the last promotion:

80. Saad B, (2012) Greco-Arab and Islamic herbal modalities: From tradition to molecular mechanisms, TMICHA, February 29, 2012, Tel Aviv
81. Saad B, (2013) Herbal medicines: from tradition to research-based application, Teacher Association meeting, January 9-10, 2013, Tiberia, Israel
82. Saad B, (2014) Opening speech, The 2nd Annual Givat Haviva Conference, Developing a Shared Society in Israel May 28, 2014 Givat Haviva Campus.
83. Saad B, (2016) *Integrating traditional Greco-Arab and Islamic diet and herbal medicine in research and clinical practice*, Physiology-Pharmacology & Environmental Health University of fez, September 6, 2016, Morocco

84. Saad B, (2016) *Medicinal plants in traditional Greco-Arab and Islamic medicine: From traditional use to clinical establishment*, Physiology-Pharmacology & Environmental Health University of fez, September 7, 2016, Morocco
85. Saad B, (2013) Traditional herbal medicines: safety and efficacy, Teacher Association meeting, January 4-5, 2016, Tiberia, Israel
86. Saad B, (2017) *The role of traditional and integrative medicine in bridging gaps* Pre-conference workshop, "Refugees with Chronic Diseases between the Middle-East and Europe: World Congress Integrative Medicine & Health in Berlin May 3, 2017
87. Saad B, (2017) *Traditional medicine health model: Middle Eastern perspective* Pre-conference workshop, "Refugees with Chronic Diseases between the Middle-East and Europe: The role of traditional and integrative medicine in bridging gaps" *World Congress Integrative Medicine & Health in Berlin May 3, 2017*
88. Saad B, (2017) History, Present and Future of Traditional Arab and Islamic Medicine *Shanghai Forum for World Traditional Medicine, Shanghai, China, 24th-25th Nov., 2017*

7. Research Grants

a. Grants Awarded

1. Saad B (*PI*), US: Partner: Prof. Stephen O Duke (*PI*) (2008) **USDA-Agricultural Research Service (ARS): Herbal-derived factors down regulate the production levels of pro-inflammatory cytokines TNF α and IL-6 in the liver.**
Budget: 40,000\$
2. Saad B (*PI*), (2003) **Union of Arab Universities: Anti-inflammatory effects of medicinal plants Anti-psoriatic effects of indigenous medicinal plants.**
Budget: 30,000\$ (See publications 47).
3. Saad B (*PI*), & Suter UW (*PI*), (1999-2002) **Swiss National Fund (SNF): Cell response to the flexibility of micro-structured environments.**
Budget: 100,000\$ (See publications 36-38).
4. Saad B (*PI*), Uhlschmid GK (*CP*), Neuenschwander P (*CP*), & Suter UW (*CP*), (1996-1997) **Olga Mayen-Fish Stiftung: Osteoblasts and chondrocytes interactions with highly porous, biodegradable and biocompatible polyesterurethane.**
Budget: 20,000\$ (See publications 26-28).
5. Saad B (*PI*), Uhlschmid GK (*CP*), & Suter UW (*CP*) (1997) **Hartman-Mueller Stiftung: Synthesis and characterization of rapidly degradable and biocompatible polyesterurethane for medical use**
Budget: 25,000\$ (See publications 29-30).
6. Saad B, (*PI*) (2000-2001) **Ministry of absorption- Israel, Efficacy and safety of medicinal plants.**
Budget: 28,000\$ (See publications 41).
7. Saad B, (*PI*), Said O (*CP*) (2005-2007) **Ministry of Sciences-Israel. The anti-psoriatic effects of herbal-derived factors as new drugs for combined psoriasis therapies.**
Budget: 360,000NIS (See publications 47 and 51).
8. Saad B, (*PI*) Milner Y (*PI*) (2006-2009) **Ministry of Sciences-Israel Development of anti-acne therapies from traditional Arab medicinal plant extracts of the Galilee and augmentation of this activity by encapsulation in Nano-particles.**
Budget: 360,000NIS.
9. Saad B, (*PI*) (2005) **Ministry of Sciences-Israel Hosting Visiting Scientist from the Ivory Coast: Arab herbal-medicinal plans**
Budget: 80,000NIS

Since last promotion:

10. Saad B (*PI*), Researcher from Dead Scientific Center, and Researcher from Jordanian (2010-2011) **Ministry of National Infrastructure –Israel, Combination of Arab traditional medicinal plants and Dead-Sea Climatographic Therapies for the treatment of psoriasis.**
Saad's Budget: 150,000NIS (See publications 47 and 50).
11. Saad B (*PI*), (2011-2012) **MOFET Research Fund – Israel, Traditional antidiabetic treatments- from herbs to molecular mechanisms,**
Budget: 20,000NIS.
12. Saad B (*PI*) (2012) **Arab American University Research Fund In vitro evaluation of the anti-inflammatory effects of Hypericum triquetrifolium leaves extract: Measurements of the production levels of TNF- α and IL-6 by primary human PBMNCs.**

Budget: 55,000NIS (See publications 63).

13. Saad B (*PI*) (2013) **Arab American University Research Fund** Novel anti-diabetic medicinal plants extracts: active compounds detection and action mechanism in treating insulin resistance in vivo.

Budget: 55,000NIS (See publications 64).

14. Saad B (*PI*) (2014) **Arab American University Research Fund** *H. triquetrifolium* extracts observed anticancer effects liver cancer cells and colon cancer cell lines are mediated through apoptosis and cell cycle modulation.

Budget: 50,000NIS

15. Saad B (*CP*), Silbermann M (*CP*), Ben-Aye E (*PI*) and researcher from Jordanian (*CP*), Sudan (*CP*), and PA (*CP*) (2018) **MERC Pre-proposal (submitted)** *Fostering integrative cancer care in the Middle East: Assessing impact of medical practitioners' training in traditional medicine on patients' quality of life*

8. Scholarships, Awards, and Prizes

Best research award (1998) of Swiss surgical society for the development of versatile biodegradable biomaterials

Best research award (2010) of “The Israeli Society for Complementary Medicine”

Hijawi Awards of the Arab American University 2007 and 2009 for best undergraduate research projects

Teaching

a. Courses Taught:

1984 - 1985:	Teaching assistant of undergraduate students at the Institute of Zoology, University of Zurich
1986 - 1988:	Teaching assistant of undergraduate students at the Institute of Biochemistry, University of Zurich
1989 - 1991:	Teaching assistant of undergraduate students at the Institute of Neurobiology, ETH Zurich Technicians master at the Institute of Neurobiology
1992 - 1994:	Teaching assistant of undergraduate students at the Institute of Toxicology, ETH Zurich Technicians master at the Institute of Toxicology
1995-2000	Teaching assistant of undergraduate and graduate students at the Institute of Polymers, ETH Zurich
1994 - 2000:	Technicians examiner
2000-2012	Professor at the AAUJ and AlQasemi Academy. Courses Taught: 1. Cell Biology

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2. Immunology and Laboratory
3. In vitro Cell Culture Techniques
4. Biochemistry I+II and Laboratory
5. Tissue engineering
6. Biochemical separation methods
7. Introduction to medicinal plants
8. Genetics

2013- Present

Genetics

Science and Technology

b. Supervision of Graduate Students**Supervision of the biological part of the following projects:****Semester projects (Pre-diploma research project):**

1. *Lukas Müller, (1989/1990) Growth factor induced changes in expression of cell adhesion molecules in a transformed rat Schwann cell line* Institute of Neurobiology, ETH Zurich, Switzerland
2. *Andreas Tobler, (1989) Effect of different cytokines on the expression of cell adhesion molecules of transfected Schwann cells* Institute of Neurobiology, ETH Zurich, Switzerland
3. *Florence Scholl, (1991/1992) The effect of cell-substrata interaction on the preservation and induction of cytochrome P-450 isoenzymes in cultured rat hepatocytes* Institute of Toxicology, ETH Zurich, Switzerland
4. *Malou Gengler, (1999/2000)*
5. *Nadia Al-Haj Yasin and Lina Maloukh (2000) Development of new cell culture system for the evaluation of medicinal plant toxicity, AAUJ, PA*
6. *Safa Ata Malalha (2007-2008) In vitro evaluation of biosafety and efficacy of Peganum Harmala as source of new herbal-based anti-inflammatory drug, AAUJ, PA*
7. *Osama Al-Abdalah (2006-2007) Evaluation of medicinal plants hepatotoxicity using co-cultures of hepatocytes and monocytes, AAUJ, PA*
8. *Salsabeel Wated and Sundos Wated (2008) The role of Hypericum Triquetrifolium - derived factors on the production levels of LPS-induced nitric oxide and tumor necrosis factor- α (TNF- α) in co-cultures of hepatocytes and monocytes, Al Qasmi Research Center*
9. *Amira Masoud and Haifa Masoud (2008) The role of Peganum Harmala -derived factors on the production levels of LPS-induced nitric oxide and tumor necrosis factor- α (TNF- α) in co-cultures of keratinocytes and monocytes, Al Qasmi Research Center*

Student's projects for biotechnology practical engineering:

20 research projects at Al Qasmi Research Center for biotechnology students': (2009-2013)

Co-Supervision of graduate students:

1. *Lukas Müller, (1991) Influence of growth factors and cytokines on the expression of the cell adhesion molecules L1, NCAM and MAG in a Schwann cell line in rats.* Institute of Neurobiology, ETH Zurich, Switzerland, **Principal supervisor: Prof. M. Schachner**
2. *Andreas Tobler, (1990/1991) Influence of glial cell derived Nexin, Hirudin and Thrombin on the expression of cell recognition molecules L1, NCAM and MAG and J1 in a rat Schwann cell line.* Institute of Neurobiology, ETH Zurich, Switzerland. **Principal supervisor: Prof. M. Schachner**
3. *Florence Scholl, (1992/93) Maintenance of Kupffer cell culture under physiological oxygen tension and effects of Kupffer cell conditioned-medium on hepatocyte culture.* Institute of Toxicology, ETH Zurich, Switzerland. **Principal supervisor: Prof. P. Maier**
4. *Matthias Lütolf, (1999) Evaluations of PVA-hydrogels as model system for in vitro investigation of the effects of mechanical properties on cells.* Institute of Polymers, ETH Zurich, Switzerland. **Principal supervisor: Prof. U.W. Suter**
5. *Manar Samara (2011-2012) In vitro evaluation of the role of pro-inflammatory cytokines TNF- α and IL-6 in the liver anti-inflammatory effects of Sinapis arvensis and Eryngium creticum , AAUJ, PA* **Principal supervisor: Prof. M. Shatya, AlNajah University, PA**
6. *Myasar Bsharat (2012-2013) In vitro cytotoxic and cytostatic activities of plants used in Traditional Arabic Palestinian Herbal Medicine to treat cancer, AAUJ, PA, Principal supervisor: Prof. M. Shatya, AlNajah University, PA*

Co-Supervision of Dr. Med. Thesis at the ETH Zurich and the University Hospital Zurich:

1. *Adrian Tun Kyi (1997-2000) Cultivation and characterization of the cell response of chondrocytes to newly developed, highly porous, and biodegradable polyesterurethane.* **Principal supervisor: Prof. U. Uhlschmidt**
2. *Mario Casotti, (1998-2000) Interaction of chondrocytes with DegraPol®, a biodegradable and highly porous polyesterurethane* **Principal supervisor: Prof. U. Uhlschmidt**
3. *Thomas Huber, (1998-2000) Cell-substrate-interactions of primary isolated rat osteoblasts and biodegradable polyesterurethane.* **Principal supervisor: Prof. U. Uhlschmidt**
4. *Martin Moro, (1998-2000) Cultivation of primary isolated rat chondrocytes on biodegradable polyesterurethane foam for autologous cell transplantation.* **Principal supervisor: Prof. U. Uhlschmidt**
5. *Frank Bochmann, (1997-1999) Biocompatibility testing of Degrablock* **Principal supervisor: Prof. U. Uhlschmidt**
6. *Atul Sunkthakar, (1997-1999) Isolation and cultivation rat tendocytes on newly developed, highly porous, and biodegradable polyesterurethane.* **Principal supervisor: Prof. U. Uhlschmidt**
7. *Charles Wolf, (1999-2001) Cultivation of primary isolated rat chondrocytes and rat osteoblasts on DegraPol- foam for autologous cell transplantation.* **Principal supervisor: Prof. U. Uhlschmidt**

Co-Supervision of Ph.D. Dissertations:

1. *Thomas Hirt, (1992/1995) Synthesis and characterization of biodegradable and biocompatible polyesterurethane for medical use* Institute of Polymers, ETH Zurich, Switzerland. **Principal supervisor: Prof. U.W. Suter**

2. *Oliver Keiser*, (1992-1995) *Synthesis and characterization of biodegradable and biocompatible polyester and polyetherester for medical use*, Institute of Polymers, ETH Zurich, Switzerland. **Principal supervisor: Prof. U.W. Suter**
3. *Andreas Lendlein*, (1994-1997) *Synthesis and characterization of rapidly degradable and biocompatible polyesterurethane for medical use* Institute of Polymers, ETH Zurich, Switzerland. **Principal supervisor: Prof. U.W. Suter**
4. *Sandro Matter*, (1994-1996) *Osteoblasts and chondrocytes interactions with highly porous, biodegradable and biocompatible polyesterurethane*, Institute of Polymers, ETH Zurich, Switzerland. **Supervision of Prof. U.W. Suter**
5. *Gianluca Ciardelli*, (1994-1997) *Cell response to the degradation products of polyesterurethane*, Institute of Polymers, ETH Zurich, Switzerland. **Principal supervisor: Prof. U.W. Suter**
6. *Remy Stoll*, (1995-1998) *Synthesis and characterization of rapidly degradable and biocompatible polyesterurethane for medical use*, Institute of Polymers, ETH Zurich, Switzerland. **Principal supervisor: Prof. U.W. Suter**
7. *Pascal Pfister*, (1999-2001) *Cell response to the flexibility of micro-structured environments*”, Institute of Polymers, ETH Zurich, Switzerland. **Principal supervisor: Prof. U.W. Suter**
8. *Soliman Qiadan* (2011-present) *Novel anti-diabetic natural drug candidates: from herbs to identification of chemical structure and molecular mechanism*. **Co-supervisors: Dr. Hilal Zaid (QRC) and Dr. Yoel Sasson (Hebrew University, Jerusalem)**.
9. *AbedSalam Kmail* (2014- Present): *anti-inflammatory and anti-diabetes action mechanism of selected medicinal plants*, **Principal supervisor: Prof. Bashar Saad, co-supervisors: Dr. Hilal Zaid (QRC) and Prof. Badiia Lyossi (University of Fez, Morocco)**.

c. Text books:

None

Patents

Bashar Saad, Tilo Callenbach (2001) Culture dish, US Patent 6,306,646 **Cited by 13**

LIST OF PUBLICATIONS

Impact factor (IF) was obtained from the journal website or from “Researchgate”:

<https://www.researchgate.net>

Number of citations was obtained from “Scholar Google”:

<https://scholar.google.co.il/citations?user=543tRjUAAAAJ&hl=en>

Journal Rank was obtained from “scimago journal and country rank”

<http://www.scimagojr.com/journalrank.php?>

PI: Principal investigator; CP: Co-principal Investigator; CO: Collaborator, S: Student

B. Ph.D. Dissertation

1. Conformational antigenic determinants on native and denatured Cytochrome c - a protein- and immunochemical investigation, **1988, 95 pages, in German**

C. Scientific Books:

Since last promotion:

1. Saad B (**PI**), & Said O (**PI**), (2011) Greco-Arab and Islamic Herbal Medicine: Traditional System, Ethics, Safety, Efficacy and Regulatory Issues, Wiley-Blackwell John Wiley & Sons, Inc. The book includes 19 chapters, 530 pages. ***Cited by 71***
2. Riaz M (**PI**), Zia Ul Haq M (**PI**), & Saad B (**PI**) (2016) Anthocyanins and Human Health: Biomolecular and therapeutic aspect. Springerbrief, Springer, The book includes 9 chapters, 138 pages. ***Cited by 18***
3. Saad B (**PI**), Zaid H (**PI**), Shanak S (**PI**), & Kadan S (**PI**), (2017) Anti-diabetes and Anti-obesity Medicinal Plants and Phytochemicals Safety, Efficacy, and Action Mechanisms. Springer The book includes 8 chapters, 261 pages

Co-editor of special journal issues

Since last promotion:

1. Ben-Arye E, Cassileth B, Heusser P, Afifi F, Saad B, & Senthamil RS, (2012) *Evidence based complementary and alternative medicine* Special Issue on Complementary and Integrative Oncology in the Cross-Cultural Region of the Middle East and South Asia ***IF: 2.18; Journal Rank: 14/94***
2. Zaid H, Saad B, Mahdi A, Tamakar A, Hadad P, & Afifi F, (2015) *Evidence based complementary and alternative medicine* Special Issue on Medicinal Plants and Natural Active Compounds for Diabetes and/or Obesity Treatment, ***IF: 2.18; Journal Rank: 14/94***
3. Zaid H, Mahdi A, Tamakar A, Hadad P, Afifi F, Saad B, Razzaque M, & Dasgupta A (2016) *Evidence based complementary and alternative medicine* Special Issue on Natural Active Ingredients for Diabetes and Metabolism Disorders Treatment. ***IF: 1.82; Journal Rank: 14/94***

Articles in refereed journals:

4. Hauschteck-Jungen E (PI), Saad B (CO) & Schürmann K (CO), (1987), A reinvestigation of RNA synthesis during spermatogenesis in Drosophila. *Int. J. of Invert. Reprod. and Devel.*, 11:203-210. **IF?/ Cited by 1**
5. Saad B, (CP), Gorrardin G (CP), & Bosshard HR (PI), (1988) Monoclonal antibody recognizes a conformational epitope in random coil protein. *Eur. J. Biochem (FEBS)*. 178:219-224. **IF: 3.58/ Cited by 18; Journal Rank: 44/396**
6. Saad B, (CP), & Bosshard HR (PI), (1990) Antigenic sites on cytochrome c2 from *Rhodospirillum rubrum*. *Eur. J. Biochem (FEBS)*. 187:425-430 **IF: 3.58; Cited by 2; Journal Rank: 44/396**
7. Saad B, (CP), Constam DB (CP), Ortmann R (CP), Moos M (CP), Fontana A (CP), & Schachner M (PI), (1991) Astrocyte-derived TGFβ2 and NGF differentially regulate neural recognition molecule expression by cultured astrocytes. *J. Cell. Biol.* 115:473-484 **IF 9.69; Cited by 128; Journal Rank:14/260**
8. Saad B, (CP), Schawalder HP (CO), & Maier P (PI), (1993). Crude liver membrane fractions maintain liver specific functions in long term, serum free rat hepatocyte cultures. *In Vitro Cell Dev Biol. Animal* 29A:32-40 **IF: 0.971; Cited by 32; Journal Rank: 60/78**
9. Saad B, (CP), Scholl FA (S), Thomas H (CP), Schawalder HP (CO), Streit V (S), Waechter F (CP), & Maier P (PI), (1993) Crude liver membrane fractions and extracellular matrix components as substrata regulate differentially the preservation and inducibility of P-450 isoenzymes in cultured rat hepatocytes. *Eur. J. Biochem. (FEBS)*. 213:805-814 **IF: 3.58; Cited by 49 Journal Rank: 53/396**
10. Maier P (PI), Saad B, (CP), & Schwalder HP (CO), (1994). Effect of peritortal- and centrilobular oxygen tension on liver specific functions in long-term rat hepatocyte cultures. *Toxic in Vitro*. 8:423-435 **IF: 3.21; Cited by 17; Journal Rank: 30/115**
11. Saad B, (CP), Thomas H (CO), Schawalder HP (CO), Waechter F (CO), & Maier P (PI), (1994) Oxygen tension, insulin and glucagon affect the preservation and induction of cytochrome P-450 isoenzyme contents and activities in rat hepatocyte cultures. *Toxicology and Applied Pharmacology*. 126:372-379. **IF: 3.23; Cited by 37; Journal Rank: 11/115**
12. Neuenschwander P (CO), Ciardelli G (S), Hirt T (S), Keiser O (S), Kojima K (S), Lendlein A (S), Matter S (S), Müller M (S), Uhlschmid GK (CO), Saad B, (CO) & Suter UW (PI), (1994). Development of new polymers for surgical reconstructive materials. *Proceedings to the first Swiss Conference on Materials research for Engineering Systems. Sion, 1994. p. 209-215.*
13. Maier P. (PI), Saad B (CO,) & Ohno K (CO). (1995) New Approaches for the Preservation of Metabolic Zonation in Rat Hepatocyte Cultures. *Alternative Methods in Toxicology Volume 11:213-213. Cited by 1*
14. Saad B, (CP), Frei K (CO), Scholl F (S), Fontana A (CP), & Maier P (PI), (1995) Hepatocyte-derived IL-6 and TNF-α mediate the LPS-induced acute phase response and NO-release by cultured rat hepatocytes. *Eur. J. Biochem (FEBS)*. 229:349-355. **IF: 3.58; Cited by 88; Journal Rank: 44/396**
15. Saad B (CP), Matter S (S), Uhlschmid GK (CO), Hirt T (S), Trentz OA (CO), Neuenschwander P (CP), & Suter UW (PI), (1995) In vitro Charakterisierung der Biokompatibilität eines neuen Polyesterurethans für chirurgische Anwendung. *Langenbecks Archiv für Chirurgie, Forumband 1995 P. 65-68 Journal Rank: 51/375*
16. Ciardelli G (S), Saad B, (CO) Hirt T (S), Uhlschmid GK (CO), Neuenschwander P, & Suter UW (PI), (1995) Phagocytosis and biodegradation of short-chain poly(R)-3-hydroxybutyric acid particles in macrophage cell lines. *J. Mat. Sci. Mater. Med.* 6:725-730. **IF: 3.38; Cited by 22; Journal Rank: 242/1414**
17. Saad B, (CP) Ciardelli G (S), Matter S (S), Welti M (CO), Uhlschmid GK (CO), Neuenschwander P, & Suter UW (PI), (1996) Characterization of the cell response of cultured macrophages and fibroblasts to particles of short-chain poly(R)-3-hydroxybutyric acid. *J. Biomed. Mat. Res* 30:429-439. **IF: 2.83; Cited by 52; Journal Rank: 23/71**

18. Saad B, (CP) Ciardelli G (S), Matter S (S), Welte M (CO), Uhlschmid GK (CO), Neuenschwander P, & Suter UW (PI), (1996) Cell response of cultured macrophages, fibroblasts, and co-cultures of Kupffer cells and hepatocytes to particles of short-chain poly(R)-3-hydroxybutyric acid) fragments by cultured macrophages. *J. Mat. Sci. Mater. Med.* 7:56-61. **IF: 3.38; Cited by 24, Journal Rank: 242/1414**
19. Ciardelli G (S), B. Saad, (CO) Hirt T (S), Keiser O (S), P. Neuenschwander (CO), and U.W. Suter (PI). (1996). Biodegradation of novel block-polyesterurethanes based on low-molecular-weight Poly[(R)-3-hydroxybutyric acid)]. *Chimia* 1996, 50, 312 (36). **IF: 0.7; Journal Rank: 413/858**
20. Saad B, (CP) Matter S (S), Ciardelli G (S), Uhlschmid GK (CO), Welte M (CO), Neuenschwander P (CO), & Suter UW (PI), (1996) Interactions of osteoblasts and macrophages with biodegradable, and highly porous polyesterurethane foam and its degradation products. *J. Biomed. Mat. Res* 32:355-366. **IF: 2.83; Cited by 103; Journal Rank: 23/71 Journal Rank: 242/1414**
21. Saad B., (CP) Matter S (S), Ciardelli G (S) Uhlschmid (CO), G.K., Welte (CO), M., Neuenschwander (CO), P., Suter, U.W (PI). (1996) Growth of osteoblasts on a novel block copolymer *Transactions of the Annual Meeting of the Society for Biomaterials in conjunction with the International Biomaterials Symposium, 1, p. 909.*
22. Ciardelli G(S), Saad, B (CO), Hirt, T.D (S), Keiser O (S), Neuenschwander (CO), P., Suter, U.W. (PI), (1996) Biocompatibility and biodegradability of novel block copolymers *Transactions of the Annual Meeting of the Society for Biomaterials in conjunction with the International Biomaterials Symposium, 1, p. 895*
23. Saad B, (CP) Keiser OM (S), Uhlschmid GK (CO), Marquardt K (CO), Welte M (CO), Neuenschwander P, & Suter UW, (PI). (1997) Multiblock copolyesters as biomaterials: in vitro biocompatibility testing. *J. Mat. Sci. Mater. Med* 8:497-505. **IF: 3.38; Cited by 46 Journal Rank: 242/1414**
24. Saad B, (CP) Hirt T (S), Welte M (CO), Uhlschmid GK (CO), Neuenschwander P (CO), & Suter UW, (PI). (1997) Development of degradable polyesterurethanes for medical applications: In vitro and in vivo evaluations. *J. Biomed. Mat. Res* 36:65-74. **IF: 2.83; Cited by 146; Journal Rank: 23/71**
25. Ciardelli G (S), Saad B, (CO) Neuenschwander P (CO), & Suter UW (PI), (1997) Synthesis of fluorescence-labelled short-chain polyester segments for the investigation of bioresorbable poly(ester-urethane)s. *Macromolecular Chemistry and Physics* 198:1481-1498. **IF: 2.45; Cited by 9; Journal Rank: 193/858**
26. Saad B (CP), Ciardelli G (S), Matter S (S), Welte M (CO), Uhlschmid GK (CO), Neuenschwander P (CO), & Suter UW (PI), (1998) Degradable and highly porous polyesterurethane foam as biomaterial: effects and phagocytosis of degradation products in osteoblasts *J. Biomed. Mat. Res.* 39:594-602. **IF: 2.83; Cited by 60; Journal Rank: 23/71**
27. Saad B (CP), Casotti M (S), Welte M (CO), Uhlschmid GK (CO), Neuenschwander P (CO), & Suter UW (PI), (1998) Biodegradable and highly porous DegraPol-foam as cell carrier for osteoblast transplantation. *European Surgical Research* 30:1 **IF: 1.43/ Journal Rank: 101/375**
28. Saad B (CP), Casotti M (S), Welte M (CO), Uhlschmid GK (CO), & Suter UW (PI) (1998) Biodegradable and Highly Porous Degrapol-foam as Cell Carrier for Osteoblast Transplantation *European Surgical Research*, 30:65. **IF: 1.15; Journal Rank 101/375**
29. Saad B (CP), Moro M (S), Tun-Kyi A (S), Welte M (CO), Schmutz P (CO), Uhlschmid GK (CO), Neuenschwander P (CO), & Suter UW (PI), (1999) Chondrocyte-biocompatibility of DegraPol®-Foam: In Vitro Evaluations *J. Biomat. Sci. Polymer Ed.* 10:1107-1119. **IF: 1.3; Cited by 29; Journal Rank 45/71**
30. Saad B (CP), Tun-Kyi A (S), Moro M (S), Welte M (CO), Uhlschmid GK (CO), Neuenschwander P (CO), & Suter UW (PI), (1999) Highly porous and biodegradable degraPol-foam as substrate for the formation of neo-cartilage: in vitro evaluations. *Advances in Science and Technology, Materials in Clinical Applications* pp. 445-452, ed., P. Vincenzini, Techma Srl, 1999, Florence. **Cited by 5**

31. Saad B (CP) Huber T (S), Casotti M (S), Schmutz P (CO), Welti M (CO), Uhlschmid GK (CO), Neuenschwander P (CO), & Suter UW (PI), (1999) Biocompatibility of highly porous and biodegradable DegraPol®-foam to osteoblasts: in vitro evaluations. *Advances in Science and Technology, Materials in Clinical Applications* pp. 453-460, ed., P. Vincenzini, Techma Srl, 1999, Florence. **Cited by 2**
32. Saad B (CP), Neuenschwander P (CO), Uhlschmid GK (CO), & Suter UW (PI), (1999) New Versatile, Elastomeric, Degradable Polymeric Materials for Medicine. *International Journal of Biological Macromolecules* 25:293-301. **IF: 3.10; Cited by 105; Journal Rank 939/1947**
33. Saad B (CP), Welti M, Uhlschmid GK (CO), Neuenschwander P (CO), Suter UW (PI) (1999) Highly porous and biodegradable DegraPol foam as osteoblast carrier: In vitro evaluations *Cell Transplantation* 8:110. **IF: 0.7; Journal Rank 11/38**
34. Saad B (CP), Uhlschmid GK (CO), Neuenschwander P (CO), Suter UW (PI) (1999) In Vitro Evaluations of Degrapol Foam: A New Substrate for Cell Transplantation. *International Journal of Artificial Organs*, 22:114. **IF: 1.005; Journal Rank 38/71**
35. Saad B (CP), Uhlschmid GK (CO), Neuenschwander P (CO), Suter UW (PI) (1999) Biodegradable and Elastic Degrapol-Foam as Chondrocyte Carrier. *International Journal of Artificial Organs*, 22:113. **IF: 1.005; Journal Rank 38/71**
36. Saad B (CP), Casotti M (S), Huber Th (S), Schmutz P (CO), Welti M (CO), Uhlschmid GK (CO), Neuenschwander P (CO), & Suter UW (PI), (2000) In vitro evaluation of the biofunctionality of osteoblasts cultured on DegraPol-foam. *J. Biomat. Sci. Polymer Ed.* 11:787-800. **IF: 1.36; Cited by 28; Journal Rank 45/71**
37. Saad B, (CP) Callenbach T (CO), Welti M (CO), Uhlschmid GK, & Suter UW (PI), (2001) Structoplate: a newly developed 3d-microstructured surface in multiwell tissue culture plates. *European Cells and Materials* Vol. 2. Suppl. 1, 2001 **IF: 4.89; Cited by 8/ Cited by 26; Journal Rank 8/71**
38. Saad B, (CP) Kuboki Y (CO), Welti M (CO), Uhlschmid GK (CO), Neuenschwander P (CO), & Suter UW (PI), (2001) DegraPol-foam: a degradable and highly porous polyesterurethan foam as a new substrate for bone formation, *artificial organs*, 24:939-945. **IF: 1.36; Cited by 41; Journal Rank 26/71**
39. Mansour F (PI), Azaizeh H (CO), Saad B, (CO) Tadmor Y (CO), Abo-Moch F (CO), & Said O (CO), (2003) The Potential of Middle Eastern Flora as a Source of New Safe Bio-Acaricides to control *Tetranychus cinnabarinus*, the carmine spider mite, *Phytoparasitica* 32:66-72. **IF: 0.68; Cited by 72; Journal Rank 882/1954**
40. Saad B (PI), Abu-Hijleh G (CO), Neuenschwander P (CO), & Suter UW (PI), (2004) DegraPol-foam: a new biodegradable material for tissue engineering: In vitro evaluations of the cell compatibility. *Emirates Medical Journal*, 22:127-134. **IF: 0.08; Cited by 3**
41. Saad B (PI), Dakwar S (S), Said O (CO), Abu Hijleh G (CO), Albattah F (CO), Kmeel AS (S), Azaizeh H (CO), (2006) Evaluation of medicinal plants hepatotoxicity using co-cultures of hepatocytes and monocytes. *Evidence based complementary and alternative medicine* 3:93-98. **IF: 2.18; Cited by 52; Journal Rank: 14/94**
42. Azaizeh H (CO), Saad B, (CO) Cooper E, & Said O (PI), (2007) Traditional Arabic and Islamic Medicine (TAIM) now joins CAM, Kambo, and Ayurveda *Evidence based complementary and alternative medicine* doi: doi:10.1093/ecam/nem157. **IF: 2.18; Cited by 9; Journal Rank: 14/94**
43. Azaizeh H (PI), Kobaisy M (CO), Dakwar S (S), Saad B (CO), Said O (CO), & Duke S, (2007) Botanical Pesticides as a Source of Safe Bio-Acaricides for the control of *Tetranychus cinnabarinus* mites *Acta Phytopathologica et Entomologica Hungarica* 42:143–152. **IF: 0.56; Cited by 6**
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