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Conference Report

Report on Second International Conference on Natural Products for Cancer Prevention and Therapy Held in Kayseri, Turkey, 8–11 November 2017

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1. Preface

Scientific experts from eight countries gathered to share their views and experience on the latest research on natural products for cancer prevention and therapy. The traditionally used herbal medicines, medicinal plants, plant extracts, fractions, and phytochemicals for cancer prevention and therapy were discussed throughout the meeting. The scientific program comprised of 12 plenary lectures, 23 oral presentations, and 72 posters, providing an opportunity for more than 130 natural product scientists to present their research in three days. Abstracts for plenary talks, oral presentations, and posters were published as proceedings of the meeting in the special issue of Proceedings, Volume 1 and Issue 10 (http://www.mdpi.com/2504-3900/1/10). The aim of this biannual meeting was to foster discussion and disseminate the results of the research on natural products that are used for cancer prevention and therapy. During the meeting, the scientific committee members of the meeting who attended the conference had been selected as judges to evaluate all of the oral and poster presentations and the three best oral and poster presentation awards have been granted to the young scientists. The participants were able to network and engage in discussion for potential collaboration to advance our knowledge on utility of natural products for prevention and treatment of cancer.

2. Summary of the Scientific Presentations

2.1. Plenary Lectures

The meeting was successfully focused on the natural products being investigated for their efficiency in several cancer types and for their potency in cancer prevention. Only the plenary lectures have been summarized here in this manuscript, and all of the other oral and poster presentations have been listed where the abstracts can be reached from http://www.mdpi.com/2504-3900/1/10.

2.1.1. Growth Factors Responsible from the Cancer Progress: Role of Natural Products

Mükerrem Betül Yerer

Growth factors are one of the main factors responsible from the uncontrolled cell progress in cancer. Up to date many scientists have focused on these factors either as the marker or as the targets in several cancer types. Yerer has presented a plenary lecture on the natural products targeting these factors (Nerve growth factor (NGF), epidermal growth factor (EGF), hepatocyte growth factors (HGF), fibroblast growth factors (FGF), vascular endothelial growth factors (VEGF), platelet derived growth factor (PDGF), and transforming growth factor (TGF-β) (http://www.mdpi.com/2504-3900/1/10/979) [1].

2.1.2. Natural Products for Cancer Prevention and Therapy: Progress, Pitfalls and Promise

Anupam Bishayee

The presentation of Bishayee highlighted studies on cancer preventive and therapeutic attributes of various naturally occurring agents and underlying mechanisms of action, with special emphasis on results reported from our laboratory. Current limitations, challenges, and future directions of research for successful cancer drug development based on natural products will also be discussed (http://www.mdpi.com/2504-3900/1/10/982) [2].

2.1.3. Novel Anticancer Capacities of Saffron

Amr Amin

Amr Amin has presented a plenary lecture on the anticancer effects of the saffron's main active ingredient "safranal" against HCC using in vitro, in silico, and network analyses. In their studies, in addition to the unique and differential cell cycle arrest, safranal showed pro-apoptotic effect through activation of both intrinsic and extrinsic initiator caspases implicating ER stress-mediated apoptosis (http://www.mdpi.com/2504-3900/1/10/834) [3].

2.1.4. Cardiac Glycosides as Novel Modulators of Cancer Cell Survival

Marc Diederich

This plenary lecture focused on Cardiac Glycosides (GCs) can be considered as pharmacological agents, allowing for cancer cells to switch from one cell death modality to another. All the findings encourage to further explore a potential for CGs in general as cancer cell death modulators alone or in combination with other targeted treatments (http://www.mdpi.com/2504-3900/1/10/972) [4].

2.1.5. Ins and Outs of Flavonoids in Cancer Prevention vs. Cancer Therapy: A Lesson from Quercetin in Leukemia

Gian Luigi Russo, Maria Russo, Carmela Spagnuolo, Idolo Tedesco, Stefania Moccia

Russo et al. has critically reviewed the clinical and pre-clinical studies on the concept that polyphenols, being antioxidant compounds, can fight cancer. They suggest that a clear distinction must be done between the use of polyphenols, such as flavonoids, in cancer treatment versus cancer prevention, starting from adequate and specifically selected cellular models. As an example, he has present data on the potential application of quercetin against chronic lymphocytic leukemia (CLL) (http://www.mdpi.com/2504-3900/1/10/977) [5].

2.1.6. Anticancer Potential of Flavones

Randolph RJ Arroo, Didem Şöhretoğlu, Demetrios A Spandidos, Vasilis P Androutsopoulos

Flavones are abundantly present in common fruits and vegetables, many of which have been associated with cancer prevention. Taking into account that no flavonoid based drugs are clinically used in cancer therapy, Randolph has focused on the flavones—which constitute a subgroup of the flavonoids—show some structural analogy with estrogen, and are known to interact with human estrogen receptors, either as agonist or as antagonist. Thus, whereas epidemiological and pre-clinical data seem to indicate a high potential for flavonoids, from the point of view of the pharmaceutical industry and drug developers, they are considered poor candidates (http://www.mdpi.com/2504-3900/1/10/975) [6].

2.1.7. Resveratrol in Cancer Prevention and Treatment: Focusing on Molecular Targets and Mechanism of Action

Adriano Borriello

The relevance of these mechanisms and their translation in clinical therapy has been discussed in Borelli's plenary lecture. Resveratrol and its mechanism of action has been emphasized by her in cancer cells and in experimental models of senescence, inflammation, obesity, and metabolic diseases. Its molecular targets act at different levels: (1) specific molecular pathways (like p53, NF-kappaB, PKC, PI3K, MDM2, LATS1, STK3 and several others); (2) epigenetic control of gene transcription through sirtuin activation; (3) cell division cycle and differentiation; (4) apoptosis and autophagy; and, (5) cellular redox homeostasis (http://www.mdpi.com/2504-3900/1/10/976) [7].

2.1.8. Cynaropicrin: A Promising Natural Agent with Antitumor and Antiviral Activities

Mahmoud F. Elsebai, Jukka Hakkola, Mohamed Mehiri, Juana Diez

Human infection with HCV is currently recognized as the leading cause of hepatocellular carcinoma (HCC), which demands liver transplantation, which was estimated to result in ∼10,000 deaths in the US only in the year 2011. Elsebai has presented a plenary lecture on cynaropicrin as a potential agent for treatment and prevention of HCC by indirect way through inhibition of HCV and in a direct way evidenced by the many antitumor activities in literature (http://www.mdpi.com/2504-3900/1/10/974) [8].

2.1.9. Relationship between Structure of Phenolics and Anticancer Activity

Müberra Koşar

Many phenolic compounds have been investigated for their potential use as cancer chemopreventive agents. Phenolic compounds consist of one or more hydroxyl substitution on the aromatic ring system. Koşar has emphasized that Cinnamic acid esters, such as caffeic acid phenethyl and benzyl esters, display selective antiproliferative activity against some types of cancer cells. Flavonoids consist of a large group of polyphenolic compounds having a benzo-γ-pyrone structure, and are ubiquitously present in plants. This structure can be responsible from the anticancer acitvities of these compounds (http://www.mdpi.com/2504-3900/1/10/978) [9].

2.1.10. Pristimerin is a Promising Natural Product against Breast Cancer In Vitro and In Vivo through Apoptosis and the Blockage of Autophagic Flux

Buse Cevatemre, Konstantinos Dimas, Bruno Botta and Engin Ulukaya

Ulukaya has given a lecture on the pristimerin's cytotoxic potential on particularly cancer stem cells (CSCs) should be much more important due to the CSCs' recent role in recurrence of cancer. He has presented their studies on Pristimerin that has been shown to suppress the proliferation of various cancer cell lines at relatively lower concentrations, of which, the IC50 values are around 0.5–4 μM (http://www.mdpi.com/2504-3900/1/10/973) [10].

2.1.11. Can Curcumin Be Employed to Promote the Integration of Oncology and Natural Products?

Mutlu Demiray and Fatemeh Bahadori

Curcumin is multi-targeted molecule with pleotropic nature, which inhibits NF-κB and related proteins promoting effectiveness of tyrosine kinase inhibitors (TKIs). Demiray has presented their clinical studies with curcumin on adenoid cystic carcinoma where they have treated patients for 72 months by oral curcumin and eight months by i.v curcumin. Disease control rate was 89.3% (15/17),

and no any grade III-IV toxicities was observed related to curcumin reflecting the clinical use of curcumin on adenoid cystic carcinoma patients (http://www.mdpi.com/2504-3900/1/10/980) [11].

2.1.12. Therapeutic Potential of Black Pepper Compound for BRaf Resistant Melanoma

Neel M. Fofaria, Sharavan Ramachandran, and Sanjay K. Srivastava

Srivastava's presentation mainly focused on the combination of BRAF inhibitors with Mcl-1 inhibitor such as piperlongumine may have therapeutic advantage to melanoma patients with acquired resistance to BRAF inhibitors alone or in combination with MEK1/2 inhibitors (http://www.mdpi.com/2504-3900/1/10/981) [12].

2.2. Oral and Poster Presentations

Oral Presentations		
Title	**Authors**	**Link**
Effect of Pomegranate Extract and Tangeretin on Specific Pathways in the Rat Breast Cancer Model Induced with DMBA [13].	H. Fatih Gul et al.	http://www.mdpi.com/2504-3900/1/10/983
Synergistic Cytotoxic Effects of Resveratrol in Combination with Ceramide Metabolizing Enzymes in Ph + Acute Lymphoblastic Leukemia [14].	Osman Oğuz et al.	http://www.mdpi.com/2504-3900/1/10/984
Characterization of cycloartane-type sapogenol derivatives for prostate cancer chemoprevention [15].	Bilge Debelec-Butuner et al.	http://www.mdpi.com/2504-3900/1/10/985
Epibrassinolide treatment caused autophagy or apoptosis decision in a time-dependent manner through ER stress in colon cancer cells [16].	Pınar Obakan-Yerlikaya et al.	http://www.mdpi.com/2504-3900/1/10/986
Determination of Silymarin molecule activity in colon cancer by AgNOR technique [17].	Merve Alpay et al.	http://www.mdpi.com/2504-3900/1/10/987
The cytotoxic effect of *Lysimachia savranii* on the neuroblastoma cells [18].	Gonca Dönmez et al.	http://www.mdpi.com/2504-3900/1/10/988
Autocrine Growth Hormone-triggered curcumin resistance abolished by NF-κB signaling pathway dependent on inflammatory cytokines and active polyamine catabolic machinery in MCF-7, MDA-MB-453 and MDA-MB-231 breast cancer cells [19].	Ajda Çoker Gürkan et al.	http://www.mdpi.com/2504-3900/1/10/989
The effect of *Lysimachia savranii* on the migration of the breast cancer cells [20].	Işıl Aydemir et al.	http://www.mdpi.com/2504-3900/1/10/990
Investigation of cytotoxic effect of *Origanum minutiflorum* on cancer cells [21].	Oktay Özkan et al.	http://www.mdpi.com/2504-3900/1/10/991
Celastrol modulates lipid synthesis via PI3K/Akt/mTOR signaling axis to finalize cell death response in prostate cancer cells [22].	Elif Damla Arisan et al.	http://www.mdpi.com/2504-3900/1/10/992

Oral Presentations		
Title	**Authors**	**Link**
Investigation of the Effect of Paclitaxel and Pycnogenol on Mitochondrial Dynamics in Breast Cancer Therapy [23].	Suna Sayğılı et al.	http://www.mdpi.com/2504-3900/1/10/993
Effects of curcumin on lipid peroxidation and antioxidant enzymes in kidney, liver, brain and testis of mice bearing Ehrlich Solid Tumor [24].	Mustafa Nisari et al.	http://www.mdpi.com/2504-3900/1/10/994
Curcumin enhances the efficacy of 5-FU in Colo205 cell lines [25].	Ebru Öztürk et al.	http://www.mdpi.com/2504-3900/1/10/995
Effect of a New Sapogenol Derivative (AG-07) on Cell Death via Necrosis [26].	Yalcin Erzurumlu et al.	http://www.mdpi.com/2504-3900/1/10/996
Cytotoxic and Antiinflammatory Activity Guided Studies on *Plantago holosteum* Scop [27].	Yasin Genc et al.	http://www.mdpi.com/2504-3900/1/10/997
Continuously monitoring the cytotoxicity of API-1, α-chaconine and α-solanine on human lung carcinoma A549 [28].	Ebru Öztürk et al.	http://www.mdpi.com/2504-3900/1/10/998
The effects of α-chaconine on ER-α positive endometrium cancer cells [29].	Ayşe Kübra Karaboğa Arslan et al.	http://www.mdpi.com/2504-3900/1/10/999
Investigation of apoptotic effect of sinapic acid in Hep3B and HepG2 human hepatocellular carcinoma cells [30].	Canan Eroğlu et al.	http://www.mdpi.com/2504-3900/1/10/1000
Cytotoxic and Antioxidant Activity of four *Cousinia* Species of Stenocephalae Bunge. Section [31].	Leyla Paşayeva et al.	http://www.mdpi.com/2504-3900/1/10/1001
Apoptotic effect of Ginnalin A on MDA-MB-231 and MCF7 human breast cancer cell lines [32].	Ebru Avcı et al.	http://www.mdpi.com/2504-3900/1/10/1002
Cytotoxic effects of coumarin compounds imperatorin and osthole, alone and in combination with 5-fluorouracil in colon carcinoma cells [33].	Ayşe Eken et al.	http://www.mdpi.com/2504-3900/1/10/1003
Screening of some Apiaceae and Asteraceae plants for their cytotoxic potential [34].	Perihan Gürbüz et al.	http://www.mdpi.com/2504-3900/1/10/1004
Cyclodextrine Based Nanogels and Phase Solubility Studies of Flurbiprofen as a Chemopreventive Agent [35].	Ayşe Nur Oktay et al.	http://www.mdpi.com/2504-3900/1/10/1005
Poster Presentations		
Effect of a synthesized compound against cancerous cell line and synthesis of copper ion incorporated 1-(3,4-diaminophenyl) ethanone-based hybrid nanoflowers [36].	Burcu Somtürk Yılmaz et al.	http://www.mdpi.com/2504-3900/1/10/1006
Development of effective anticancer drug candidates against breast and colon cancers [37].	Senem Akkoç et al.	http://www.mdpi.com/2504-3900/1/10/1007

Poster Presentations		
Title	**Authors**	**Link**
Synthesis of copper ion incorporated aminoguanidine derivatives-based hybrid nanoflowers [38].	Sevtap Çağlar Yavuz et al.	http://www.mdpi.com/2504-3900/1/10/1008
Evaluation of anti-proliferative and cytotoxic properties of chlorogenic acid against breast cancer cell lines by real time monitoring [39].	Onur Bender et al.	http://www.mdpi.com/2504-3900/1/10/1009
Investigation of Apoptotic Effects of Usnic Acid on Hepatocellular Carcinoma [40].	Beste Yurdacan et al.	http://www.mdpi.com/2504-3900/1/10/1010
In vitro Cytotoxic Effect Evaluation of *Dioscorea communis* (L.) Caddick & Wilkin Rhizome and Stem Extracts on Hepatocellular Carcinoma Cells [41].	Ünal Egeli et al.	http://www.mdpi.com/2504-3900/1/10/1011
The Effect of Herbal Medicine on Neuroblastoma Cell Line in Culture [42].	Büşra Şen et al.	http://www.mdpi.com/2504-3900/1/10/1012
The foods containing miR-193b may inhibit the growth of breast cancer cells [43].	Dilek Asci Celik et al.	http://www.mdpi.com/2504-3900/1/10/1013
Is the dietary miR-193b a novel cell cycle arresting source for breast carcinoma? [44].	Nilgun Gurbuz et al.	http://www.mdpi.com/2504-3900/1/10/1014
The effects of Wortmannin and EGCG and combined treatments on MDA-MB-231 breast cancer cell lines via inactivation of PI3K signaling pathway [45].	Elgin Turkoz Uluer et al.	http://www.mdpi.com/2504-3900/1/10/1015
The effects of Paclitaxel and Metformin and combined treatments on TLR signaling pathway on MDA-MB-231 breast cancer cell lines [46].	Melike Ozgul et al.	http://www.mdpi.com/2504-3900/1/10/1016
Inhibition of telomerase activity by cucurbitacin I in colon cancer cell line, LS174T [47].	Emir Tosun et al.	http://www.mdpi.com/2504-3900/1/10/1017
Effect of cucurbitacin I on proliferation and migration in colorectal cancer cell line, LS174T [48].	Emir Tosun et al.	http://www.mdpi.com/2504-3900/1/10/1018
In vitro anticancer and cytotoxic activities of some plant extracts on HeLa and Vero cell lines [49].	Fulya Tugba Artun et al.	http://www.mdpi.com/2504-3900/1/10/1019
Anticancer Effects of Oleocanthal and *Pinus Pinaster* on Breast Cancer Cell in Culture [50].	Mahmud Özkut et al.	http://www.mdpi.com/2504-3900/1/10/1020
Antiproliferative and Apoptotic Effects of the Medicinal Plants on Breast Cancer Cell Lines [51].	Pınar Kılıçaslan Sönmez et al.	http://www.mdpi.com/2504-3900/1/10/1021
The role of trophoblastic stem cells conditioned media on JAR cell culture [52].	Hilal Kabadayı et al.	http://www.mdpi.com/2504-3900/1/10/1022
The effect of pycnogenol and paclitaxel on DNA damage in human breast cancer cell line [53].	Hülya Birinci et al.	http://www.mdpi.com/2504-3900/1/10/1023

Poster Presentations		
Title	**Authors**	**Link**
Investigation of the effects of paclitaxel and pycnogenol on inflammatory response (PTX3, BDNF, IGF2R) in human breast cancer cell line [54].	Hülya Birinci et al.	http://www.mdpi.com/2504-3900/1/10/1024
Is There Any Protective Effect of Pomegranate and Tangeretin on the DMBA-Induced Rat Breast Cancer Model? [55].	H. Fatih Gul et al.	http://www.mdpi.com/2504-3900/1/10/1025
The neurotoxic effects of *Origanum minutiflorum* [56].	İsmail Sari et al.	http://www.mdpi.com/2504-3900/1/10/1026
The Cytotoxic and Apoptotic Effects of Usnic Acid on Prostate Cancer versus Normal Cells [57].	Işıl Ezgi Eryılmaz et al.	http://www.mdpi.com/2504-3900/1/10/1027
Antiproliferative Effect of Methanolic Extract of *Linum arboretum* on A549 Cells [58].	Ozgur Vatan et al.	http://www.mdpi.com/2504-3900/1/10/1028
Investigation of *in vitro* Cytotoxic Effects of *Montivipera xanthina* on Healthy and Cancer Human Lung Cell Lines [59].	Huzeyfe Huriyet et al.	http://www.mdpi.com/2504-3900/1/10/1029
Development and Characterization of Paclitaxel-loaded PLGA Nanoparticles and Evaluation of Cytotoxicity on MCF-7 cell line by MTT Assay [60].	Merve Çelik Tekeli et al.	http://www.mdpi.com/2504-3900/1/10/1030
Effects of Fulvic Acid on Different Cancer Cell Lines [61].	S. Kerem Aydin et al.	http://www.mdpi.com/2504-3900/1/10/1031
Antioxidant, antibacterial and antiproliferative activities of Turkish rhubarb (*Rheum palmatum* L.) leaf extracts [62].	Mehmet Berköz et al.	http://www.mdpi.com/2504-3900/1/10/1032
The Effect of Herbal Medicine on Colon Cancer Cells in Culture [63].	Pelin Toros et al.	http://www.mdpi.com/2504-3900/1/10/1033
The Effect of Herbal Medicine on Prostate Cancer Cells in Culture [64].	Pelin Toro et al.	http://www.mdpi.com/2504-3900/1/10/1034
Determination of Antioxidant Capacity, Phenolic Acid Composition and Antiproliferative Effect Associated with Phenylalanine Ammonia Lyase (PAL) Activity in Some Plants Naturally Growing under Salt Stress [65].	Seda Şirin et al.	http://www.mdpi.com/2504-3900/1/10/1035
Development and Characterization of Paclitaxel-loaded PLGA Nanoparticles and Cytotoxicity Assessment by MTT assay on A549 cell line [66].	Sedat Ünal et al.	http://www.mdpi.com/2504-3900/1/10/1036
Evaluation of in vitro anti-proliferative activity of St. John's wort (*Hypericum perforatum* Linn.) plant extract on cervix adenocarcinoma [67].	Rana Kavurmacı et al.	http://www.mdpi.com/2504-3900/1/10/1037
The cytotoxic effect of *Annona muricata* leaf extract on triple negative breast cancer cell line [68].	Rana Kavurmacı et al.	http://www.mdpi.com/2504-3900/1/10/1038

Poster Presentations		
Title	**Authors**	**Link**
Cytotoxic activity of *Achillea coarctata* Poir. Extract [69].	Sevil Albayrak et al.	http://www.mdpi.com/2504-3900/1/10/1039
Cytotoxic activity of Endemic *Astragalus argaeus* Boiss. from Turkey [70].	Sevil Albayrak et al.	http://www.mdpi.com/2504-3900/1/10/1040
Lactic Acid Bacteria Mediated Apoptosis Induction: Natural way of colon cancer cells' inhibition [71].	Şebnem Kurhan et al.	http://www.mdpi.com/2504-3900/1/10/1041
Synthesized a new organic compound's cytotoxic activity quantum mechanics calculations and docking studies [72].	Senem Akkoç et al.	http://www.mdpi.com/2504-3900/1/10/1042
Anticancer Activity of *Centaurea babylonica* L. [73].	Elif Dündar et al.	http://www.mdpi.com/2504-3900/1/10/1043
Cytotoxic Effects of Functional Foods *Momordica charantia* L. and *Lycium barbarum* L. Extracts on Prostate Cancer Cells [74].	Guzide Satir Basaran et al.	http://www.mdpi.com/2504-3900/1/10/1044
Cytotoxic Effects of Kynurenic acid and Quinaldic acid in Hepatocellular Carcinoma (HepG2) cell line [75].	Pınar Atalay Dündar et al.	http://www.mdpi.com/2504-3900/1/10/1045
The Effects of Benzoxasol Derivate Compounds in Breast Cancer Cells [76].	Funda Kosova et al.	http://www.mdpi.com/2504-3900/1/10/1046
Potential Cytotoxic Activity of *Psephellus pyrrhoblepharus* Extracts [77].	Pelin Taştan et al.	http://www.mdpi.com/2504-3900/1/10/1047
Screening of *Onosma* species for Cytotoxic Activity [78].	Özge Güzel et al.	http://www.mdpi.com/2504-3900/1/10/1048
Apoptotic Effects of *Mount Bulgar Viper (Montivipera bulgardaghica)* PLA2 and SVMPs Venom Peptide fractions on HeLa and A549 Cancer Cells [79].	Yalcin Erzurumlu et al.	http://www.mdpi.com/2504-3900/1/10/1049
Turkish Propolis Extract Increases Apoptosis via Induction of Mitochondrial Membrane Potential Loss in MCF-7 Cells [80].	Sema Misir et al.	http://www.mdpi.com/2504-3900/1/10/1050
The Effect of Gilaburu (*Viburnum opulus*) Juice on Ehrlich Ascites Tumor (EAT) Cell Culture [81].	Özge Al et al.	http://www.mdpi.com/2504-3900/1/10/1051
Synthesis and characterizations of folate-conjugated PLGA-PEG nanoparticles loaded with dual agents [82].	Yüksel Öğünç et al.	http://www.mdpi.com/2504-3900/1/10/1052
Selective cytotoxic activity of *Scutellaria* species [83].	Zeynep Dogan et al.	http://www.mdpi.com/2504-3900/1/10/1053
The Antiproliferative Effect of Alpha Tocopherol in F98 Cell Culture [84].	Remzi Soner Cengiz et al.	http://www.mdpi.com/2504-3900/1/10/1054
Analysis of the Cytotoxic Effects of *Eryngium billardieri* Delar. Extracts on MCF7 Cell Line [85].	Leyla Paşayeva et al.	http://www.mdpi.com/2504-3900/1/10/1055
Cytotoxic Effects of *Alchemilla mollis* (Buser) Rothm. Extracts on MCF 7 cell line [86].	Selen İlgün et al.	http://www.mdpi.com/2504-3900/1/10/1056

Poster Presentations		
Title	**Authors**	**Link**
Comparative Evaluation of the cytotoxic effects of stem and flower extracts of *Rhaponticoides iconiensis* (Hub.-Mor.) M.V.Agab. & Greuter [87].	Eren Demirpolat et al.	http://www.mdpi.com/2504-3900/1/10/1057
Goji berry fruit extract suppresses cell proliferation of breast cancer cells by inhibiting EGFR/ERK signaling [88].	Hatice Bekci et al.	http://www.mdpi.com/2504-3900/1/10/1058
Biologically transformed Propolis Exhibits Cytotoxic Effect on A375 Malignant Melanoma Cells in vitro [89].	Hikmet Memmedov et al.	http://www.mdpi.com/2504-3900/1/10/1059
Rheum ribes extract increase the expression level of miR-200 family in human colorectal cancer cells [90].	Ilknur Cinar et al.	http://www.mdpi.com/2504-3900/1/10/1060
Potential effects of *Liquidambar orientalis* Mill. against HT-29 and HCT-116 cell lines [91].	Sumeyra Cetinkaya et al.	http://www.mdpi.com/2504-3900/1/10/1061
The Effect of Tocopherol-α On the Cell Viability in Caco-2 Cell Line [92].	Ayşenur Gök et al.	http://www.mdpi.com/2504-3900/1/10/1062
In vitro Antioxidant and Anticancer Activities of Some Local Plants from Bolu Province of Turkey [93].	Kadriye Nur Kasapoğlu et al.	http://www.mdpi.com/2504-3900/1/10/1063
Survey of the apoptotic effect of Ginnalin A on Hep3B human hepatocellular carcinoma cell line [94].	Pınar Özden et al.	http://www.mdpi.com/2504-3900/1/10/1064
Ameliorative effects of Carvacrol on Cyclophosphamide-induced testis damage and oxidative stress [95].	Mustafa Cengiz et al.	http://www.mdpi.com/2504-3900/1/10/1066
Synthesis of Anthocyanin-rich Red Cabbage Nanoflowers and Their Antimicrobial and Cytotoxic Properties [96].	Suheyl Furkan Konca et al.	http://www.mdpi.com/2504-3900/1/10/1067
Cytotoxic potentials of some Asteraceae plants from Turkey on HeLa cell line [97].	Kübra Uzun et al.	http://www.mdpi.com/2504-3900/1/10/1068
The Role of Lidocaine in the Dunning Model Rat Prostate Cancer Cells: Cell Kinetics and Motility [98].	Esma Purut et al.	http://www.mdpi.com/2504-3900/1/10/1069
Pelargonium endlicherianum Fenzl. Root extract suppresses cell proliferation of prostate cancer cells [99].	Selda Eren et al.	http://www.mdpi.com/2504-3900/1/10/1070
Assessment of antioxidant and cytotoxic activity of known antioxidants compared to neopterin [100].	Gözde Girgin et al.	http://www.mdpi.com/2504-3900/1/10/1071
Comparison of radical scavenging and cytotoxic activities of well-known non-enzymatic antioxidants [101].	Suna Sabuncuoğlu et al.	http://www.mdpi.com/2504-3900/1/10/1072
A Study on the Synthesis and Anticancer Activities of Novel 6-Methoxy Flavonyl Piperazine Derivatives [102].	Meltem Ceylan-Ünlüsoy et al.	http://www.mdpi.com/2504-3900/1/10/1073

Poster Presentations		
Title	**Authors**	**Link**
Effect of Paclitaxel Loaded Chitosan Nanoparticles and Quantum Dots on Breast Cancer [103].	Gülen Melike Demir et al.	http://www.mdpi.com/2504-3900/1/10/1074
Turkish Medicinal Plants Used in Cancer Treatment and Evaluation of Plant Usage in the Oncology Clinic of the İstanbul University Faculty of Medicine [104].	Büşra Teke et al.	http://www.mdpi.com/2504-3900/1/10/1075
Is Acteosid Effects on Colon Cancer Stem Cells Via Inflamation and/or Apoptosis? [105].	Fatma Firat et al.	http://www.mdpi.com/2504-3900/1/10/1076
Analysis of the Cytotoxic Effects of *Achillea millefolium* L. Extracts on MCF7 Cell Line [106].	Esra Köngül et al.	http://www.mdpi.com/2504-3900/1/10/1077

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