

ROMÂNIA

MINISTERUL EDUCAȚIEI, CERCETĂRII, TINERETULUI ȘI SPORTULUI UNIVERSITATEA "1 DECEMBRIE 1918" ALBA IULIA

ŞCOALA DOCTORALĂ DOMENIUL CONTABILITATE

ACCOUNTING POLICIES AND TREATMENTS PERTAINING TO EQUITY AND FINANCIAL INVESTMENTS

Coordonator științific:

Prof.univ.dr. Sorin Briciu

Doctorand:

Iustin Atanasiu POP

2010

ACCOUNTING POLICIES AND TREATMENTS PERTAINING TO EQUITY AND FINANCIAL INVESTMENTS

CONTENTS

LIST OF FIGURES
LIST OF TABLES
LIST OF GRAPHS
LIST OF ABBREVIATIONS

INTRODUCTION

MOTIVATION AND RELEVANCE OF RESEARCH

Research to date and international and national in the field Research methodologyt

1. GENERAL CHRACTERISATION OF THE CONCEPTS OF FINANCIAL EQUITY AND INVESTMENTS

Research objectives

Research methods

- 1.1. Definitions and delimitations pertaining to the concept of equity
- 1.2. Definitions and delimitations pertaining to the concept of financial investments
- 1.3. Relationship between equity financial investment
- 1.4. Current accounting characteristics of equity and financial investments
- 1.5. Motivation for contributions to equity and financial investments
 - 1.5.1. Motivation for contributions to financial equity
 - 1.5.2. Motivation for contributions to financial investments
- 1.6. Preliminary conclusions

2. ACCOUNTING POLICIES AND TREATMENTS PERTAINING TO FINANCIAL EQUITY

Research objectives

Research methods

- 2.1. Typology of contributions to company equity
- 2.2. Typology of equity shareholders
- 2.3. Typology of contributions to groups of enterprises
 - 2.3.1. Empirical forms of equity in national groups
 - 2.3.2. Graphical presentations models of equity in non-classified national groups
- 2.4. General considerations on defining and classifying the operational concepts in the system of equity flows in the Romanian economy
 - 2.4.1. The concept of financial-accounting flow of equity
 - 2.4.2. Elements of the financial-accounting flow of equity
 - 2.4.3. The object of the financial-accounting flow of equity
 - 2.4.4. Subjects playing a role in the information and accounting flows of equity
 - 2.4.5. Manifestions of the information and accounting flow pertaining to equity
- 2.5. Research to date in the field of equity
 - 2.5.1. Equity in foreign specialist literature
 - 2.5.2. Substantiation of equity in Romanian economy
 - 2.5.3. Non-organised equity market
 - 2.6. Recognition, derecognition and evaluation of the financial situation of equity
- 2.7. Concluzii preliminare

3. ACCOUNTING POLICIES AND TREATMENTS PERTAINING FINANCIAL INVESTMENTS

Research objectives

Research methods

- 3.1. Structure of financial investments from the perspective of the investor
 - 3.1.1. Active financial investments
 - 3.1.2. Passive financial investments
- 3.2. Typology of active financial investments
 - 3.2.1. Forms and means of financial investments on the capital market
 - 3.2.2. Forms and means of financial investments on the money market
 - 3.2.3. Interferences between the monetary and the capital market the SWAP
- 3.3. Typology of financial investments on the Romanian capital market
 - 3.3.1. Financial investments in securities traded on the Bucharest Stock Exchange /Bursa de Valori București (BVB)
 - 3.3.2. Financial investments in securities traded on the Bucharest Stock Exchange /Bursa de Valori București (BVB) –RASDAQ STOCK EXCHANGE
 - 3.3.3. Financial investments in derivatives traded on the Stock and Commodities Market Sibiu /Bursa Monetar Financiară și de Mărfuri Sibiu (BMFMS)
 - 3.3.4. Relationships between the commodities exchange and the capital market the SWITCH
- 3.4. Recognition, derecognition and evaluation of financial investments
 - 3.4.1. Recognition of financial investments
 - 3.4.2. Derecognition of financial investments
 - 3.4.3. Evaluation of financial investments
- 3.5. Preliminary conclusions

4. EMIPRICAL STUDY OF THE CORRELATION BETWEEN EQUITY AND FINANCIAL INVESTMENTS RESPECTIVELY WITH THE BET INDEX

Research objectives

Research methods

- 4.1. Elaboration of a theoretical model for the empiric study
- 4.2. Working hypotheses for the empirical study
- 4.3. Testing the hypotheses
 - 4.3.1. Testing of hypothesis I.1. Investments determine the BET index
 - 4.3.2. Testing of hypothesis I.2. The BET index determines the investments
 - 4.3.3. Testing of hypothesis I.3. Total assets determine the investmens
 - 4.3.4. Testing of hypothesis I.4. Total assets determine the equity
 - 4.3.5. Testing of hypothesis I.5. Investments determine the equity
 - 4.3.6. Testing of hypothesis I.6. Equity determines the investments
 - 4.3.7. Testarea ipotezei I.7. Equity determines the BET index
 - 4.3.8. Testarea ipotezei I.8. The BET index determines the equity
- 4.4. Preliminary conclusions

5. GENERAL CONCLUSIONS, LIMITATIONS AND FUTURE RESEARCH

- 5.1. Research conclusions
- 5.2. Limitations of research
- 5.3. Future research

References

Specialist scientific articles and papers Specialist books Journals Legislaion INTERNET sites

1. GENERAL CHARACTERISTICS OF THE CONCEPTS OF EQUITY AND FINANCIAL INVESTMENTS

The first chapter is divided into six sub-chapters which desalt with the following topics:

- definitions and delimitations for the concept of financial equity;
- definitions and delimitations for the concept of financial investments;
- the relationship between equity and financial investment;
- the motivation for contributions to equity and financial investments.

This chapter ends with a series of preliminary conclusions which will be presented in the following.

In our opinion the concepts under scrutiny in this research undertaking were insufficiently clarified in the contemporary specialist literature. As we have underlined in the first chapter, there are (as identified by myself) a multitude of criteria according to which the concepts of equity and financial investments can be delineated and subsequently classified.

Concerning the presentation, we appreciate that equity and financial investments are two economic concepts that are partially overlapping. We have shown that within the context of the international accounting referential (IAS/IFRS), equity and financial investment can be redefined in terms of financial instruments.

We deem that "equity" turns into an accounting category, being a component of the assts and liabilities, according to the classical accounting vision, while according to the modern vision of the International Financial Reporting Standards (IFRS), it is a category of the company-controlled economic resources under the circumstances, we considered that the modern accounting understanding of "company-controlled economic resources" is not a negation of the classical accounting definition of "assets and liabilities", but an adaptation to the economic reality, since "any accounting resource, involved in the economic process, depending on the extent to which it is invested and used, will turn into assets and liabilities".

We appreciate that, according to an accounting view, the concept of equity must be approached and interpreted with reference to the principle of economic entity, according to which "a company must keep the accounts of its own transactions, and not those of its owners (although – our note) the creators of a company, regardless of its legal status, are its owners. They agree to transfer onto the company the property right the have on some economic resources, in the hope that an efficient management of the business may bring future economic advantages. In other words, the company

¹ Horomnea E., Lexicon contabil – financiar armonizat cu Directivele Europene și Standardele Internaționale de Contabilitate, Editura "SEDCOM LIBRIS", Iași, 2003, p. 109;

is created as a distinct entity holding assts and liabilities (economic resources and debts)".²

In accordance with this approach and interpretation, we uphold that: equity represents an accounting asset (economic resource) for the entrepreneur (investor) and an accounting liability (capital) for the individual or group economic entity in possession of it

Consequently, we have proved that "equity" becomes "accounting matter" along the line of a capital flow: issuer – beneficiary" to the extent that one or both entities fall under the legal obligation to organise and manage their own accounts.

In our opinion, the delimitation of the two concepts may be reduced to:

- Financial investments investments made on a regulated market;
- > The motivation for financial investments from investors may be traced down to the identification of real investment opportunities in stocks which will maximise profitability per investment risk unit, as compared with traditional investment methods for available financial resources;
- ➤ Equity long-term investments made on a non-regulated market (little liquid little regulated);
- ➤ The motivation for contributions on the part of the investor appears when the new entity where resources are being turned into stocks and shares will support the investor's activity, ensuring him a stronger position on the market.

Under these circumstances we have concluded that the financial instruments that make up the two concepts, of equity and financial investments, are characterised by a series of *common elements*, such as: they both represent for the owner a financial asst; they both represent for the issuer a liability and they both can be the object of transactions, both on organised market (stack exchanges) and un-organised markets (transactions that take place outside stack exchanges).

In our opinion, the financial instruments that make up the two concepts, equity and financial investments, are characterised by a series of *distinctive elements*, such as: equity represents a fixed financial asset; financial investments represent a current financial asset; the equity represents for the issuer an element of own capital; the financial investment represents for the issuer either a liability, or an element of own capital; the equity certifies the ownership right onto the issuer; whereas financial investments do not always certify the ownership right onto the issuer.

If we consider all these elements, we can assert that we can distinguish differences between equity and financial investments, which make them different from each other.

We may conclude that *financial equity* is that which is bought by the owner with a long-term view; the owner will express interest in the issuer's activity; the sum paid to purchase the securities cannot be a relevant criterion and it has to represent a capital instrument for the issuer. Under the same circumstances, under the same

_

² Feleagă N., Malciu L., Bunea St., *Bazele contabilității − o abordare europeană și internațională*, Editura Economică, București, 2002, p. 24

circumstances, *financial investments* have to meet the following criteria: a) fidelity: the investor buys them for speculative purposes; b) they represent for the issuer: financial debt and/or capital instrument; c) the sum paid for the purchase of the securities is not relevant in our opinion as long as the investment is made according to the cash flow released at one given point by the economic activity of the investor; and d) we consider that the buyer's INTENTION is decisive when such instruments need to be recorded in the company accounts.

At the end of the first chapter, we supported our delimitation by a comparative analysis between the investor's motivations for choosing one of the two types of investments – long- and/or short-term

2. ACCOUNTING POLICIES AND TREATMENTS PERTAINING TO FINANCIAL EQUITY

The second chapter was divided into seven subchapters in which the following topics were discussed:

- Typology of contributions to company equity;
- Typology of equity shareholders;
- Typology of contributions to groups of enterprises;
- General considerations on defining and classifying the operational concepts in the system of equity flows in the Romanian economy;
- Research to date in the field of equity;
- Recognition, derecognition and evaluation of the financial situation of equity.

This chapter ends with a series of preliminary conclusions which will be presented in the following.

Along this chapter we have tried to review foreign specialist literature in the field. It is noteworthy that according to foreign specialist literature, the term of "financial participation" refers to the way in which employees contribute to the profit of economic entities within which they function.

The Romanian economy market, at the stage of emergent economy, is characterised through a lack of maturity of local economic operators, which was reflected in they way they acted on the market. In the process of economic globalisation the need to concentrate capitals on the Romanian market too was also felt. We identified two stages: the concerted actions of economic operators was first made at a contractual level, on the basis of *contractual relations*, and further on, at financial level, which is based on financial relations, indicative of a relation of property between the issuer and the owner (investor).

We consider that the two types of relations are mutually exclusive, but can be manifested concurrently; for this reason we have presented as part of this chapter a relevant case-study. For this undertaking we have used for the purposes of exemplification the ROMVEST case, a group of local economic operators, whom we have designated "non-classified group of companies", because they are a complex combination of contractual and capital relations under the control of one or a group of people who act predominantly to their personal interest. Consequently, if the interest of the person or group of persons that control the "business" does not require so, such "groups of non-classified companies" often do not fall under the accounting references that call for the consolidation of annual accounts.

Our proposal in such cases is that, as an alternative to the consolidated financial situations, one could have a graphical analysis with the use of an indicator that we named "Degree of stability of the group as compared to economic evolution", the calculation and graphical representation of which would allow a view of activity distribution of a group as compared with the activity of the mother group and which

would allow an idea concerning the distribution of economic risk against the field in which it activates.

In terms of the accounting techniques regulated in Romania, compared with the breakdown of "holding out of the group" in "strategic equity" and "participation interests" we opined that within the item "strategic equity" should be listed securities held in the units where they intended to increase the stakes in order to attract them to the group, while in "participation interests" should be listed securities held in units that are not of particular interest to the business, only seeking to obtain dividends regularly, depending on the specific performance of those units.

In these circumstances, we also proposed the introduction of an indicator to assess the growth capacity of the group by reporting the **indicator "degree of stability of the group in relation to economic development"** to two new parameters, namely "strategic equity"(participations) and "current equity"(participations), which we called the "evaluation of group growth potential."

We highlighted by the graphic projections that we have presented, the growth of potential stakes held by a society, by redistributing turnover according to the participation rate in "current shares" ((participations), in strategic shareholding or "participations" in the group. By the use of this indicator, we can estimate the potential group development associated with the redistribution of the turnover associated with strategic holdings, which, once the rate increased to 50%, will become equity (participation) in the group.

The international accounting referential, IAS 28 "Investments in Associates" recognizes that "an entity may own stock options, options to purchase shares of equity or debt instruments which are convertible into ordinary shares or other financial instruments which have the potential, if exercised or converted, to confer additional voting power or reduce another party's voting power on the financial and operating policies of an entity (i.e. potential voting rights)3.

As concerning the nature and content of financial instruments we believe that they express the transformation of a financial derivative in a financial asset to enable an element of control over the issuer. Given all these issues presented in terms of share options, share purchase options, equity or debt instruments which are convertible into ordinary shares or other financial instruments that have the potential, if exercised or converted, we consider that, under the condition that the contract is achieved by requiring transferred ownership of the shares coming to consolidate its position of control in the issuer, they should be identified as "current participations" and should be presented explicitly in the additional information available within the financial statements.

such an approach would allow a clearer delineation of the investor's investment policies, more clearly delineating the speculative elements of long-term investments. It seems to us that anything that might transmit more detailed information to the data user is welcome; therefore the accounting professional effort must be directed in those areas that can give as more, and as accurate as possible, information related to the financial and operating policies of the investor.

-

³ IFRSsTM 2009 IAS 28, pag. 1227, 8

Subsequently we showed that participation in the capital as opposed to acquisition of securities already issued is similar to participation in the formation of a new entity, generating information flows that will be reflected in both the financial statements of the issuer and the investor's financial statements. In this case we can notice the emergence of rights (ownership of the issuer) in exchange for the transfer of assets from investor to issuer. This process implies the existence of two flows, namely the **transfer of rights flow** and the **transfer of assets flow**.

In the case of organizing economic entities in groups of companies we have shown that we have identified two types of flows, namely: **intra-group flows** and **extra-group flows**.

We opined that in intra-group flows, depending on the time of transfer of resources, we can identify permanent flows and temporary flows. In our opinion permanent flows arise from equity participation in an entity that belongs to the group either through capital input or by participating in creating a new entity that belongs to the group. Intra-group flows with temporary character involve the transfer of resources on a limited time period (group loans).

In extra-grup flows (flows generated by elements of the group with elements outside the group) we can determine, depending on their effect on the group structure, two broad categories namely the group flows and nongrup flows that we have already defined.

We may conclude that the process of accounting equities involves the demarcation of investment in those two categories identified in this research, namely "participation" in the joint venture contract and "participation" in a new legal entity.

3. ACCOUNTING POLICIES AND TREATMENTS PERTAINING FINANCIAL INVESTMENTS

The third chapter is divided into fivesub-chapters developing the following topics:

- Structure of financial investments from the perspective of the investor
- Typology of active financial investments
- Forms and means of financial investments on the capital market
- Forms and means of financial investments on the money market
- Interferences between the monetary and the capital market the SWAP
- Typology of financial investments on the Romanian capital market
- Recognition, derecognition and evaluation of financial investments

This chapter ends with a series of preliminary conclusions presented as follows.

The need for scientific research in accounting / accounting for financial instruments is even more acute as their implementation effect on capital markets is currently obvious worldwide. An undervaluation of the trinomial underlying accounting, recognition / evaluation / derecognition of financial instruments triggered the largest financial crisis of the beginning of this century, having effects at a global scale, yet being unpredictable.

In this regard we consider that: collecting, processing and reporting data in the accounting field of knowledge is governed by a set of norms, principles, rules and procedures. In this way, an optimal way of accounting problem-solving is possible, and also a good way of obtaining relevant, consistent and comparable information⁴.

The diversity of financial instruments has been widely presented throughout this chapter entitled ACCOUNTING POLICIES AND TREATMENTS PERTAINING FINANCIAL INVESTMENTS, just to allow the professional accountant to determine the relevance of identifying more elaborate methods to present in a relevant way the accounting information within certain additional explanatory notes.

The multitude of financial instruments with which financial markets operate today and the degree of sophistication being reached determines that shares, bonds, futures, forward contracts and options show us the development state of the financial transactions market, and requires the provision (making available to investors) of all elements that may influence the economic policies of any player on the market. We have shown that the main components of the financial markets are: the capital market in which "movement" of financial founds is done with debt securities and securities derivatives and the monetary market in which the "movement" of funds is done by using bank instruments (accounts, term deposits, deposit certificates etc.).

We have also shown that on the capital market can usually be found the tenderers and the medium and long term users of money, the money being available for time periods exceeding a calendar year boundary. On the other hand, on the monetary market are

⁴ Horomnea E., *Fundamentele științifice ale contabilității. Doctrină. Concepte. Lexicon.*, Editura Tipo Moldova, Iași, 2008, apg. 303

usually found tenderers and users of short-term cash funds, under a year. In our view, the money market composition is given by banks, to mobilize the resources available in the form of cash deposits and bank deposits, and their outplacement as short and long term loans under various schemes of bank guarantees

We believe that given the complexity of transactions in financial and monetary markets, has resulted in the emergence since 1980 of a financial instrument that provides a link between the two markets, namely the swap. Initially, the most common swaps were currency swaps, but with an increasing interest rate volatility, interest rate swaps become more common.

The development of the stock exchange in parallel with the development of financial markets gave rise to a financial instrument that provides the interference of these markets, namely the switch. The switch appears as a financial derivative that requires a commitment to set aside a given time delivery of goods, while accepting a similar undertaking at another time (month) of the delivery of the same product, procedure known as "rolling forward". As we presented, the general sense of the word, taken from the specialist literature in Romania, the switch represents a variant of operations counterpart which is based on a payment agreement and on the operation of a clearing account determining the equilibrium of the interchanges. In this sense, switch operations represent a more complicated form of barter involving a chain of buyers and sellers in different markets.

In the process of defining the concept of financial investment we opined that the financial investment is a financial instrument carried on a regulated and supervised financial market (capital market) and / or monetary (banking) market. We appreciate that this understanding does not conflict with the current accounting referentials, in particular with the international accounting referential (IAS / IFRS), which are concerned with developing comprehensive accounting classes. We appreciate that the most significant financial investments are those that will be settled in equity instruments and debt securities, negotiable on the capital market. In this regard, the contracts that generate financial instruments could be divided into financial contracts that generate financial investments and trade contracts that generate receivables and trade payables. Over time, contracts generating financial instruments have evolved and are still evolving in complexity. More and more economic entities conduct today contracts for supplies and services, or employment contracts with payment in shares to be issued. This aspect has been surprised by the accounting regulatory bodies, reason for which even IASB was concerned with its standardization, by the development of IFRS 2 - Share-based Payment.

Under existing accounting rules, to recognize a classic acquisition of financial assets should be *based on the trade date* (date on which it agrees to purchase an asset) and then to use the valuation method on trading - or *according to the settlement date* (delivery date of asset) and then to use the method of assessment to the date of settlement. We sustain the opinion that "any change in the fair value of the asset between the conclusion date of a contract and its settlement date will be recorded by the same method as the one used for asset recognition". The recognition of a financial asset in the balance sheet under IAS 39 will be made when and only when it becomes part of the contractual provisions of the instrument.

There are several elements that we consider important to be mentioned: the trading date is the date an entity commits to purchase an asset, and the settlement date is the date the asset is delivered to the entity. In the first case, the reflection in the accounts

based on the transaction date refers to the recognition of the asset to be paid, on trading, and in the latter, the reflection in the accounts based on the settlement date refers to the recognition of the asset on the date on which it is transferred to the entity⁵. It should be noted that "some provisions of the contract" do not identify with ownership but rather with the assumption of the risk that it generates or covers, as appropriate. In these circumstances we consider that the recognition of a financial instrument should be made at the takeover date for the majority of the risks.

During this scientific approach we have shown that in accordance with the accounting standards in Romania⁶, presenting a financial instrument in the company's financial statements can be made both in the financial assets and in the treasury current assets. Within this presentation we have delimited financial assets in: equity, long term bonds and claims on assets. The introduction of the term non-equity aimed to create conditions to follow more easily the concept of equity in relation to financial investments. In these circumstances through equity we assimilated any financial asset held on long term and giving ownership of the issuer, and through non-equity we assimilated the other component elements of financial assets. Under the presented accounting rules, financial investments appear to be only short-term investments in shares held in affiliates, bonds issued and redeemed, bonds and other securities acquired in order to achieve a short-term profit.

In these circumstances our view is limited to that financial investments are those financial instruments that allow investors to exploit, through a speculative action, a temporary surplus of the revolving fund or to cover some risks by activating treasury flows much smaller than presupposed by the actual transaction settlement. Thus a financial asset is being recognized when it will be recorded in the assets, liabilities or own capital of the entity, being registered within the financial statements.

In accordance with the standard (IAS39) we appreciate that within *financial assets*, in accordance to the accounting rules in Romania, we have assimilated both *shares* and *financial derivatives*, and through the term *financial liability* we understand *bonds*

Although the structure governed by national norms includes in the financial investment items such as drawing rights and trade effects, in our view the concept of financial investments presuppose shares, bonds and financial derivatives⁷ (derivatives are firm forward exchange contracts), currency swaps, futures contracts and conditional instruments (options purchased or sold) traded on a regulated market, the trade effects being merely paying or guaranteeing payment instruments.

⁵ Matiş D., Pop A., *Contabilitate financiară*, Editura Casa Cărții de Știință, Ediția a III-a, București 2010, pag. 571

⁶ *** Ordin nr. 3055/2009 - Reglementare contabilă conformă cu Directiva a IV-a a Comunităților Economice Europene și cu Directiva a VII-a a Comunităților Economice Europene din 29/10/2009, Publicat in Monitorul Oficial, Partea I nr. 766bis din 10/11/200, actul a intrat in vigoare la data de 01 ianuarie 2010

⁷ Ordin nr. 3055/2009 - Reglementare contabilă conformă cu Directiva a IV-a a Comunităților Economice Europene și cu Directiva a VII-a a Comunităților Economice Europene din 29/10/2009, Publicat in Monitorul Oficial, Partea I nr. 766bis din 10/11/200, actul a intrat in vigoare la data de 01 ianuarie 2010 (132)

We may conclude that by a financial asset, in the acceptance of IAS 32, we should understand shares and financial derivatives, and by a financial liability we should understand, in the light of the same standard, any type of bonds.

An interim conclusion is that the existence of an active market is not enough to ensure a fair value for the capital instrument. The market value is dependent on the degree of investor education and on the resources necessary to carry out such investments. Given that example, we may refer no further than the operations of the RASDAQ market in Romania, as its existence can not find a reference in determining fair value in the strict sense, since this market is largely governed by poorly educated investors in the stock market, and the capital market in Romania is facing serious shortages of capital. In these circumstances we can not say that the values of all financial instruments trading in this market reflect fair values, therefore it is the professional accountant's responsibility to Identity all the aspects to allow him an as accurate as possible reflection of reality.

4. EMIPRICAL STUDY OF THE CORRELATION BETWEEN EQUITY AND FINANCIAL INVESTMENTS RESPECTIVELY WITH THE BET INDEX

The scientific approach developed in this chapter started from the need to seek new ways in which we could transmit supplementary information on the development of a market to potential investors (nn the Romanian market). The identification of such solutions is widely discussed in recent literature⁸. We started with eight questions that were raised in the research activity which aimed at delimiting, understanding, defining and then using the concepts of equity and financial investments in the context of the data collected and processed in Romania for the period 2004-2009.

We tried using three global indicators based on the data supplied by economic entities that have entered the BET calculation during December 2004 - December 2009, through published quarterly and annually financial statements. The data collected from the sample of economic entities participating in the study were presented as time series of values of indicators built at national level, namely *total assets*, *financial holdings* and *financial investments*.

The *Total assets* indicator was obtained by summing up the values reported as TOTAL ASSETS within the yearly and quarterly financial statements by economic entities to help calculate the BET index starting with December 2004.

The *Equity indicator* was obtained by summing up the values reported as FINANCIAL FIXED ASSETS in the annual and quarterly financial statements by economic entities to help calculate the BET index starting with December 2004.

The *Financial investment* indicator was obtained by summing the values reported as SHORT TERM INVESTMENTS in annual and quarterly financial statements by economic entities to help calculate the BET index starting with December 2004.

As a benchmark characterizing the Romanian economy was elected BET, which is used as a reference system in numerous national studies.

To highlight how these economic indicators and the stock market BET index are linked, the interdependence between them, we calculated a number of factors to obtain a pattern of correlation between the indicators used in this study.

In this scientific approach it was assumed that a certain economic phenomenon can be described mathematically by a deterministic model built on two measurable quantities, a dependent (output) and one independent (input), denoted by y, respectively x, and then we can establish a causal relationship (dependence) between the two variables as a function: $f: \mathbf{R} \longrightarrow \mathbf{R}$, y = f(x).

The aim was to determine whether the accounting information provided through financial statements can be used to build a picture of the market by setting a specific behavioural pattern. This was achieved through the design of certain mathematical functions to play the causal relationship (dependence) between the two chosen variables. Using such functions as a model to study the economic problems of some

⁸ vezi Jun Xia, Kimberly Boal and Andrew Delios, When Experience Meets National Institutional Environmental Change: Foreign Entry Attempts of U.S. Firms in the Central and Eastern European Region, Strategic Management Journal, Vol. 30, No. 12 (Dec., 2009), pp. 1286-1309

degree of complexity, is limited because it takes into account only one factor of influence.⁹

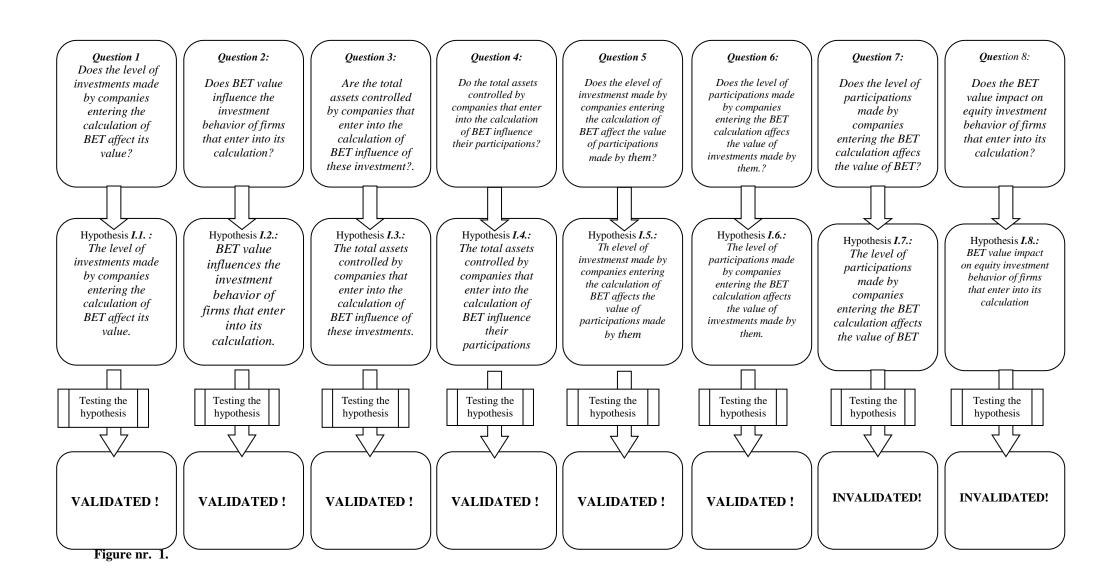
Based on the eight questions raised, there were formulated eight hypotheses, which were later tested to verify the correlation between various parameters such as can be seen in the figure below.

After the testing, six hypotheses out of eight were confirmed. More specifically it was established that there are correlations between equities and the total assets indicator, between equities and the, between financial investments and total assets, and between the financial investments and BET.

The hypotheses that have assumed the existence of a determination between equities and BET were not validated.

The validation of the six hypotheses provides us the information that the investment environment in Romania is very closely attentive to market developments in the case of speculative actions. The positive development of BET that characterizes the market in Romania does not provide a high degree of confidence to pass a similar trend toward long-term investments, which shows a long term lack of confidence of the investors on the Romanian market.

⁹ Chifu – Oros C.I., *Matematici economice*, Presa Universitară Clujană, Cluj – Napoca, 2002, pag. 2



Although some links that have been set could be presented as mathematical functions, they can not claim to be mathematical models.

It is however noted that the information obtained can be a start for creating mathematical models that provide information about the behaviour of a population in a given market.

We will pursue these in the future scientific efforts that we will undertake.

5. GENERAL CONCLUSIONS, LIMITATIONS AND FUTURE RESEARCH

The usefulness of scientific research lies in the need to provide answers to a series of practical and current issues that may contribute to a better understanding of economic phenomena ¹⁰.

The regulatory framework in Romania allows the joint venture between two or more legal entities or individuals, who may choose to create an "institution" with or without legal personality.

The objective of this work is to define the operational framework of the equities, to study the known relations and to identifying the new ones which in turn can be significant. Moreover, if these new relationships can bring added useful information to the decisional system, we may consider the objective to be reached in the condition that a number of assumptions have been validated. Testing hypotheses with a single variable represents a shortcoming of this scientific approach.

The lack of experience in the operation of financial instruments of the local market limited the form of disclosure of the information on financial instruments, and also limited the results of the undertaken study.

We appreciate that the most significant financial investments are those that will be or maybe will be settled in equity instruments and debt securities negotiable on the capital market. In this regard, the contracts that generate financial instruments could be divided into financial contracts that generate financial investments and trade contracts that generate receivables and trade payables. They are not currently presented separately in the financial statements, which restricts the accuracy of some calculations regarding the composition of certain global indicators.

The scientific approach developed through this work has led to some results that have been validated, but still suggest caution in formulating definitive conclusions. Although the degree of confidence that has validated the first six issues is 99%, it must be viewed with scepticism because of the limited volume of analyzed data.

To solve this problem, the data used as a basis of this research can be extended beyond the financial year 2004 as BET is operational within the Bucharest Stock Exchange since 1997. The lack of such data has limited us in this study to verify the existing correlations only in the period between December 2004 – December 2009. In the future we hope to extend this period by additional information received from economic entities which have

_

¹⁰ Pop A., Iosivan O.-R., *The pricing of audit services: evidence from Romania*, Annales Universitatis Apulensis. Series Oeconomica, vol. 10/2008, Alba Iulia, 2008, pag. 212

been the subject of this study and were detailed in the structural panel of companies used to calculate the BET. Increasing this interval will lead to more conclusive results, and a more rigorous substantiation of the reached conclusions.

Future studies may also provide a new approach related to psychology underlying the generation of these investment flows, flows that are based on economic activities.

Another limit of this scientific approach is that it only provides information on the financial investments that occur through other economic entities ("institutions" with legal personality) without including the investments taking place without legal personality.

The detailed reflection of equities in contracts with legal entities and in unincorporated contracts could enable us to identify correlations that support or refute the formulated conclusions.

We appreciate that the role of any scientific approach is to add knowledge and to allow us to establish the premises of further research.

In our opinion this study can be developed at the level of other countries too, in order to check if it leads to similar results. Comparing the results obtained in other countries with the results from Romania can provide the investor elements for the analysis, in fundamenting the decision of investment on a national or regional market.

Formulating new hypotheses through the identification and assessment of other correlations too, which convey supplementary information on the investigated situations, can represent a direction of future scientific approaches.

Based on the data reflected in accounting, various financial statements will become support for information in the process of documentation, analysis, forecast and decision-making.

The results obtained from the flow generated by the economic activities conducted in the investment process can be evaluated in relation to the projections that were the basis in the investment decision. The comparative analysis may reveal more options in the case of the decision making process, becoming the support in the decision process. Based on these results, one can also achieve a number of future projections transforming these information flows in support of forecasting.

Achieving results in several countries will provide the opportunity of comparing the obtained results, and will lead to the development of new approaches in the analysis of financial flows. The latest trend in foreign literature is to identify the psychological factors underlying economic phenomena.

The results obtained at the national level will be analyzed taking into account the organizational cultures of each of the analyzed countries, the stock culture and hence the economic culture.

These new results will provide useful information to the decision-making systems that choose to manifest in the national economy, given that currently **GLOBALIZATION** is the watchword. Considered " a tool for the management of universal values power and of

the global business processes" ¹¹ globalization entails an accessible accounting reporting structure identical in the entire world of accounting. ¹²

-

¹¹ Mateş D., *Standardizarea sistemelor contabile contemporane în condițiile globalizării*, Annales Universitatis Apulensis, series Oeconomica, Finanțe – Contabilitate, Alba Iulia, 2006

¹² Cenar I., *Standarde internaționale de contabilitate specifice sectorului public*, Tipografia Universității 1 Decembrie 1918, Alba Iulia, 2009, pag. 8

References

Specialist scientific articles and papers

- Ablad A., Mody A.,. "Financial reform: What Shakes It? What Shapes It?" *The American Economic Review*, 2005.
- Acemoglu D., Johnson S. and Mitton T. "Determinants of Vertical Integration: Financial Development and Contracting Costs." *The Journal of Finance, Vol. 64, No. 3*, Jun., 2009: pp. 1251-1290.
- 3 Altăr M. ""Modelul Black & Scholes"." *Conferință în cadrul seminarului științific al catedrei de Finanțe Monetară, ASE.* București, noiembrie 1994.
- 4 Atrill P., Harvey D., McLaney E. *Accounting for Business*. Oxford: Editor Butterworth-Heinemann, 1994.
- Baddeley M. "Convergence or Divergence? The Impacts of Globalisation on Growth and Inequality în Less Developed Countries." *Internațional Review of Applied Economics, Vol. 20, No. 3*, July 2006: pag. 392, 391–410,.
- Bold T. "Implications of Endogenous Group Formation for Efficient Risk-Sharing." *The Economic Journal, Vol. 119, No. 536, Conference Papers*, Mar., 2009: pp. 562-591.
- Bossert W. and Sprumont Y. "Non-Deteriorating Choice." *Economica, New Series, Vol. 76, No. 302*, Apr., 2009: pp. 337-363.
- 8 Boubakri N., Cosset J.-C. and Smao H. "Credible Privatization and Market Sentiment: Evidence from Emerging Bond Markets." *Journal of International Business Studies*, Vol. 40, No. 5, Jun. Jul., 2009: pp. 840-858.
- 9 Chen D., Park S.H. and Newburry W. "Parent Contribution and Organizational Control in International Joint Ventures." *Strategic Management Journal, Vol. 30, No. 11*, (Nov., 2009): pp. 1133-1156.
- 10 Cosh A., Cumming D. and Hughes A. "Outside Enterpreneurial Capital." *The Economic Journal, Vol. 119, No. 540*, Oct., 2009: pp. 1494-1533.
- 11 Cristea Ş.M. Armonizarea contabilă internațională și practicile contabile naționale Studiu de caz pentru România și Italia. Cluj Napoca: Editura Accent, 2007.
- Deaconu A. "Solution for measuring the fair value of worforce." *Volumul* conferinței internaționale Integrare europeană noi provocări pentru economia României, ed. A V-a. Oradea, 2009.
- Delfgaauw J. and Dur R. "From Public Monopsony to Competitive Market: More Efficiency but Higher Prices." *Oxford Economic Papers, New Series, Vol. 61, No. 3*, Jul., 2009: pp. 586-602.
- Doh J. P., Bunyaratavej K. and Hahn E. D. "Separable but Not Equal: The Location Determinants of Discrete Services Offshoring Activities." *Journal of International Business Studies*, vol. 40, No. 6, Aug., 2009: pp. 926-943.

- Driessen Joost. "Is Default Event Risk Priced in Corporate Bonds." *The Society for Financial Studies and Oxford University Press*, 2005: pag. 166.
- Dushnitsky G. and Shaver J. M. "Limitations to Interorganizational Knowledge Acquisition: The Paradox of Corporate Venture Capital." *Strategic Management Journal, Vol. 30, No. 10*, Oct., 2009: pp. 1045-1064.
- Ermisch J., Gambetta D., Laurie H., Siedler T. and Uhrig S. C. N. "Measuring People's Trust." *Journal of the Royal Statistical Society. Series A (Statistics in Society)*, Vol. 172, No. 4, Oct., 2009: pp. 749-769.
- Festing M., Groening Y., Kabst R. and Weber W., "Financial Participation în Europe Determinants and Outcomes, Economic and Industrial Democracy 20,." 1999: pag. 300.
- Friebel G. and Giannetti M. "Fighting for Talent: Risk-Taking, Corporate Volatility and Organisation Change." *The Economic Journal, Vol. 119, No. 540*, (Oct., 2009): pp. 1344-1373.
- Gil-Bazo J. and Ruiz-Verdú P. "The Relation between Price and Performance in the Mutual Fund Industry." *The Journal of Finance, Vol. 64, No. 5*, Oct., 2009: pp. 2153-2183.
- Huang J. and Wang J. "Liquidity and Market Crashes." *The Review of Financial Studies, Vol. 22, No. 7*, Jul., 2009: pp. 2607-2643.
- Hutzschenreuter T. and Gröne F. "Product and Geographic Scope Changes of Multinational Enterprises in Response to International Competition, (), ." *Journal of International Business Studies*, Vol. 40, No. 7, Sep., 2009: pp. 1149-1170.
- Indjejikian R. and Matějka M. "CFO Fiduciary Responsibilities and Annual Bonus Incentives." *Journal of Accounting Research, Vol. 47, No. 4*, Sep., 2009: pp. 1061-1093.
- 24 Iosivan R. "Accounting for financial instruments." *vol. Conferinței Internaționale Szent Istvan Egyetem.* Godollo, Ungaria, Septembrie 2004. pag. 211-223.
- Jackson S.E. and Schuler R.S. ""Understanding Human Resources Managemnt în the Context of Organizations and thei Envileiments"." *Annual Review of Psychology* 46, 1995: pag. 237 64.
- Jensen M.C., Meckling W. H. "Theory of the firm: Managerial behavior, agency cost and ownership structure." *Jurnal of Financial Economics, vol. 3.*, 1976: pag. 303 360.
- Kabst R., Matiaske W., Schmelter A. . "Financial Participaţion în British, French and German Organisation: A Neoinstitutionalist Perspective, "Economic and Industrial Democracy 27"." *Departament of Economic History, Uppsala University, Sweden*, 2006: pag. 56.
- 28 Kaler J. "Understending participation." *Journal of Business Ethics*, 1999: 125 135.
- 29 Kambourov G. "Labour Market Regulations and the Sectoral Reallocation of Workers: The Case of Trade Reforms." *The Review of Economic Studies, Vol.* 76, No. 4, (Oct., 2009): pp. 1321-1358.
- 30 Keller G., Rady S., and Cripps M. "Strategic experimentation with exponential bandits". Blackwell Publishing and American Finance

- Association, 2005.
- 31 Kenney M., Massini S. and Murtha T. P. "Offshoring Administrative and Technical Work: New Fields for Understanding the Global Enterprise." *Journal of International Business Studies, Vol. 40, No. 6*, Aug., 2009: pp. 887-900.
- Kisangani E. F. and Pickering J. "The Dividends of Diversion: Mature Democracies' Proclivity to Use Diversionary Force and the Rewards They Reap from It." *British Journal of Political Science*, *Vol. 39*, *No. 3*, Jul., 2009: pp. 483-515.
- Kräkel M. and Sliwka D. "Should You Allow Your Employee to Become Your Competitor? On Noncompete Agreements in Employment Contracts." *International Economic Review, Vol. 50, No. 1*, Feb., 2009: pp. 117-141.
- Kumar A. "Who Gambles in the Stock Market?" *The Journal of Finance, Vol.* 64, No. 4, Aug., 2009: pp. 1889-1933.
- Liu X., Wang C. and Wei Y. "Do Local Manufacturing Firms Benefit from Transactional Linkages with Multinational Enterprises in China?" *Journal of International Business Studies*, Vol. 40, No. 7, Sep., 2009: pp. 1113-1130.
- Mateş D. "Standardizarea sistemelor contabile contemporane în condițiile globalizării." Alba Iulia: Annales Universitatis Apulensis, series Oeconomica, Finanțe Contabilitate, 2006.
- Meyer J.W., Rowan B. ,,"Institutionalized Organizations: Formal Structure as Myth and Ceremony"." *American Journal of Sociology* 83, 1977: pag. 340 63.
- Meyer K. E. and Sinani E. "When and Where Does Foreign Direct Investment Generate Positive Spillovers? A Meta-Analysis." *Journal of International Business Studies*, Vol. 40, No. 7, Sep., 2009: pp. 1075-1094.
- Michelacci C. and Quadrini V. "Financial Markets and Wages." *The Review of Economic Studies, Vol. 76, No. 2*, Apr., 2009: pp. 795-827.
- 40 Montier F. "La diversite de la notion de groupe." Revue Française de Comptabilite, nr. 271 octombrie 1995.
- Musteen M., Datta D. K. and Herrmann P. "Ownership Structure and CEO Compensation: Implications for the Choice of Foreign Market Entry Modes." *Journal of International Business Studies*, Vol. 40, No. 2, Feb. Mar., 2009: pp. 321-338.
- Nagar V., Rajan M. V. and Saouma R. "The Incentive Value of Inventory and Cross-Training in Modern Manufacturing." *Journal of Accounting Research*, *Vol. 47, No. 4*, Sep., 2009: pp. 991-1025.
- Oprea R., Friedman D. and Anderson S. T. "Learning to Wait: A Laboratory Investigation." *The Review of Economic Studies, Vol. 76, No. 3*, Jul., 2009: pp. 1103-1124.
- Peter C. B. Phillips, Jun Yu. ""Jackknifing Bond Option Prices"." *The Society for Financial Studies and Oxford University Press*, 2005: pag. 708.
- Pop I.A., Fătăcean Gh. "Evaluarea economico financiară a acțiunilor." *a V-a ediție a Simpozionului Contabilitate și Informatică de Gestiune*. București, noiembrie 2004.
- 46 Pop A., Iosivan O.-R. "The pricing of audit services: evidence from

- Romania." Annales Universitatis Apulensis. Series Oeconomica, vol. 10/2008, Alba Iulia, 2008: 212.
- Pop C., Curuţiu C., Dumbrava P. "Bucharest Stock Exchange The Effects of the Current Financial Crisis, Interdisciplinary Management Research V." *The J.J.Strossmayer University of Osijek & Pforzheim University of Applied Sciences*, Osijek, 2009.
- 48 Pop C., Delaney T.D. "Bucharest Stock Exchange: the assessment of its evolution and position among emerging market exchanges in the region." 37th Annual Conference Regionalism and Globalization Aprl 8-10,, The Academy of International. Dublin, 2010.
- Pop C., Dumbravă P. "Bucharest Stock Exchange Evolution, November 1995 November 2005." *volume Interdisciplinary Management Research II, The J. J. Strossmayer University of Osijek & Pforzheim University of Applied Sciences*, 2006, Osijek,, ISBN 953-253-007-X, , indexed ISI Thomson: pag. 349-367.
- Pop C., Gavriletea M., Cururțiu C. "Is BET index portfolio representative for Bucharest Stock Exchange?" *European Journal of Management*, 2008: 199 204.
- Pop I.A. "Forme de asocieri în participație cazul ROMVEST." *Conferința Internațională Audit și Convergență Contabilă*. Cluj Napoca: Editura Sincron, 2004.
- Poutsma E. . ""Financial participațion and HRM în Europe"." *HRM Network Conference*. Nijmegen, 15 November, 2001.
- Puck J. F., Holtbrügge D., Mohr A.T., Lee S.-H. and Makhija M. "Beyond Entry Mode Choice: Explaining the Conversion of Joint Ventures into Wholly Owned Subsidiaries in the People's Republic of China." *Journal of International Business Studies, Vol. 40, No. 3*, Apr., 2009: pp. 388-404.
- Reitzig M. and Puranam P. "Value Appropriation as an Organizational Capability: The Case of IP Protection through Patents." *Strategic Management Journal*, Vol. 30, No. 7, Jul., 2009: pp. 765-78.
- Schreiner M., Kale P. and Corsten D. "What Really Is Alliance Management Capability and How Does It Impact Alliance Outcomes and Success?" *Strategic Management Journal*, 2009: pag. 1395 1419.
- Scott W. R. and Meyer J.W. (eds). *Institutional Envileiments and Organizations: Structural Complexity and Individualism.* CA: Sage: Thousand Oaks, 1994.
- 57 Scott W. R. Organizations: rational, Natural and Open Systems. Englewood Cliffs. NJ: Prentice Hall, 1992.
- Sefton J. and Justin van de Ven. "Optimal Design of Means Tested Retirement Benefits." *The Economic Journal, Vol. 119, No. 541*, (Nov., 2009): pp. F461-F481.
- 59 Stulz R. M. "Securities Laws, Disclosure, and National Capital Markets in the Age of Financial Globalization." *Journal of Accounting Research, Vol. 47, No. 2, Regulation of Securities Markets: Perspectives from Accounting, Law, and Financial Economies*, May, 2009: pp. 349-390.
- 50 Ştefan D., ş.c. "Convergență vs armonizare contabilă implicații în sectorul

- asigurărilor." Alba Iulia: Annales Universitatis Apulensis, series Oeconomica, Finanțe Contabilitate, 2006.
- Tapalagă-Inoan C.M., Pop I.A. "Analiza economică a participațiilor străine în România." *a V-a ediție a Simpozionului Contabilitate și Informatică de Gestiune*. București, noiembrie 2004.
- Tiron Tudor A. "Consolidarea conturilor necesitate a contabilității românești." *Conferinței Științifice Internaționale "Economia românească criză, adaptare, integrare europeană", volumul I.* Sibiu: Editura Continent, 1995. pag. 220 222.
- Tiron Tudor A. "Stabiltatea amplitudinii controlului exercitat asupra unei societăți în care deținem titluri." *Revista de finanțe, credit, contabilitate*, nr. 1 1998: pag. 25 29.
- 7 Tugui Al. "Stadii și forme de manifestare ale contabilității în societățile comerciale." *Revista de contabilitatea, expertiza și auditul afacerilor*, nr. 9 2005: 53.
- Uvalic M., 2PEPPER Report. *Promotion of Employee Participațion în Profits and Enterprise Results*". Commission of the European Communities, Brussels: Social Europe 3/91, 1991.
- Vaughan-Wihitehead D. "Workers' Financial Participațion: East-West Expirineces". Internațional Labour Office, Geneva: ILO Labour Management Series No. 80, 1995.
- Walgenbach P. . ""Personalpolitik aus der Perspektive des Institutionalistischen Ansatzes", în . Munich: Hampp." A. Martin and W. Nienhuser (eds) Personalpolitik: Wissenschafliche Erklarung der Personalpraxis pag. 267-90.
- Wang H.C., Jinyu He and Mahoney J.T. "Firm-Specific Knowledge Resources and Competitive Advantage: The Roles of Economic- and Relationship-Based Employee Governance Mechanisms." *Strategic Management Journal*, *Vol.* 30, *No.* 12 (), , Dec., 2009: pp. 1265-1285.
- Xia J, Boal K. and Delios A. "When Experience Meets National Institutional Environmental Change: Foreign Entry Attempts of U.S. Firms in the Central and Eastern European Region." *Strategic Management Journal, Vol. 30, No. 12*, (Dec., 2009): pag. 1286 1309.
- Yongmiao Hong, Haitao Li. ""Nonparametric Specification Testing for Continuous Time Models with Applications to Term Structure of Interest Rates"." *The Society for Financial Studies and Oxford University Press*, 2005: pag. 37-38.
- Zingales L. "The Future of Securities Regulation." *Journal of Accounting Research, Vol. 47, No. 2, Regulation of Securities Markets: Perspectives from Accounting, Law, and Financial Economies*, May, 2009: pp. 391-425.

Specialist books

- Editura Risoprint, 2007.
- 2 Anghelache G. *Bursa și piața extrabursieră*. București: Editura Economică, 2000.
- 3 Anghelache G. *Piața de capital caracteristici, evoluții, tranzacții,* . București: Editura Economică, 2004.
- 4 Baird A. J. *Option Market Making*. New York: Editura John Wiley & Sons, 1992.
- Balogh A., Martin D.C. *Management*. McGraw-Hill Internațional Series în Management, 1991.
- Barry J. Epstein, Abbas Ali Mirya. *IFRS 2005 Interpretarea și aplicarea Standardelor Internaționale de Contabilitate și Raportare Financiară*. Editura BMT Publishing House, 2005.
- 7 Bellentante B. "La Bourse. Son fonctionnement et son role dans la vie économique". Paris: Hatier, 1992.
- 8 Berciu-Drăghicescu A., coordonator. *Manual de secretariat și asistență managerială*. București: Editura Univesității, 2003.
- 9 Boldea I. *Sistemul informațional și managementul întreprinderii*. Timișoara: Editura Eubeea, 2002.
- Bonaci C.G. Fundamente teoretice și practice ale contabilitatii instrumentelor financiare de la Jonathan's Coffe house și Tontine CoffeeHouse la vremuri de criza. Cluj Napoca: Editura Casa Cartii de Știință, 2009.
- Boţa Avram F. *Imaginea fidelă în contabilitate*. Cluj Napoca: Editura Risoprint, 2009.
- Brealey R.A., Myers S.C. *Principle of Corporate Finance*. New-York: Editor McGraw-Hill, 1991.
- Breban V. *Dicționar al limbii române contemporane*. București: Editura Științiifică și Enciclopedică, 1980.
- Brezeanu P., Prăjisteanu B. *Gestiunea financiară a portofoliului*. București : Editura Economică, 2002.
- Briciu S. *Contabilitate managerială aspecte teoretice și practice*. București: Editura Economică, 2006.
- Briciu S., Jaradat M., Stzliadis A., Socol A., Teiuşan C.S. *Cost Based Management*. Athene: National Library of the Greek Academy, 2005.
- Burja C. *Analiză economico financiară Aspecte metodologice și aplicații practice*. Cluj Napoca: Editura Casa Cărții de Știință, 2009.
- Buse G., coordonator. *Dicționarul complet al economiei de piață*,. București: Editor "SOCIETATEA INFORMAȚIA", 1994.
- 19 Cărpenaru S.D. *Drept comercial român, ed. V a.* București: Editura All Beck, 2004.
- 20 Cenar I. *Bazele contabilității Fundamente teoretice*. Alba Iulia: Editura Aeternitas, 2009.
- Cenar I. *Standarde internaționale de contabilitate specifice sectorului public Note de curs*. Alba Iulia: Tipografia Universității 1 Decembrie 1918, 2009.
- Ciobanu Gh. . *Bursa de valori și tranzacțiile la bursă*. București: Editura Economică, 1997.
- 23 Cistelecan L. M. Economia, eficiența și finanțarea investițiilor. București:

- Editura Economică, 2002.
- Collin P.H. *Dictionary of Banking and Finance*. Great Britain: Peter Collin Publishing, 1991.
- Coteanu I., Seche L., Seche M., coordonatori. *Dicționarul explicativ al limbii române, ediția a II-a.* București: Editura Universul Enciclopedic, 1996.
- 26 Cotleț D. *Contabilitate informație decizie*. Timișoara: Editura Orizonturi Universitare, 1998.
- Dalton J. *Piața acțiunilor*. București: Editura Hrema, 2000.
- Deaconu A. *Valoarea justă concept contabil*. București: Editura Economică, 2009.
- 29 Deaconu S.-C. *Contabilitate aplicată*. Cluj Napoca: Casa Cărții de Știință, 2009.
- Dijmărescu I. *Bazele managementului*. București: Editura Didactică și pedagogică, 1996.
- Dobrotă N. coordonator. *Dicționar de economie*. București: Editura Economică, 1999.
- 32 Dragoş C. *Bazele econometriei şi modelări ecnometrice*. Cluj Napoca: Editura MEDIAMIRA, 2008.
- Dumbravă P. *Contabilitate financiară*. Cluj Napoca : Presa Universitară Clujană, 2002.
- Dumbravă P., Berinde D., Răchişan R.P., Bătrâncea L.M., Pop I.A. *Contabilitatea managerială de gestiune*. Cluj Napoca: Editura Alma Mater, 2010.
- Duțescu A. *Ghid pentru înțelegerea și aplicarea Standardelor Internaționale de Contabilitate.* București: Editura CECCAR, 2001.
- Duțescu A. *Informația contabilă și piețele de capital*. București: Editura Economică, 2000.
- 37 Duțescu C. *Drepturile acționarilor*. București: Editura Lumina Lex, 2006.
- Eiteman W., Dice Ch. A., Eiteman David K. "*The stock market*". New York: McGraw Hill Book Company, 1996.
- 39 Epstein B.J., Mirza A.A. *Interpretarea și aplicarea Standardelor Internaționale de Contabilitate și Raportare Financiară*. București: Editura BMT Publishing Housde", 2005.
- F. le Bihan. "Les placements de la tresorerie d'entreprise". Paris: Editure Eyrolles, 1988.
- Feleagă N., Feleagă L. Contabilitate consolidată. O abordare europeană și internațională. București: Editura Economică, 2007.
- Feleagă N., Malciu L., Bunea St. *Bazele contabilității o abordare europeană și internațională*. București: Editura Economică, 2002.
- Filip C.I. *Implicațiile financiar contabile ale operațiunilor de import export*. Cluj Napoca: Editura Casa Cărții de Știință, 2008.
- Gastineau G.L. *Dictionary of financial risk management*. Chicago Illinois: Propus Publishing Company, 1992.
- Georgescu Roegen. *Legea eutropiei și procesul economic*. București: Editura Politică, 1979.
- 46 Grigorie N.-L., Ungureanu M.A., Nedeluş. M., Florescu N., Dinescu E.,

- Ungureanu M.D, Popeangă G., Iana T., Ciumag M., Boiță M., Pop V.R.. . *Dicționar legislativ fiscal*. București: Editura didactică și pedagogică, 2009.
- Halpern P., Weston J.F., Brigham E.F. *Finanțe manageriale*. București: Editura Economică, 1998.
- 48 Hinkelmann E.G. *Dicționar de comerț exterior*. București : Editura Teora, 2001.
- 49 Hoanță N. *Capitalul firmei*. București: Tribuna Economică, 1998.
- Holt P., Hein C. *Interantional Accounting, 6th edition*. Ohio: Dame Publishing, 2001.
- Horomnea E. *Bazele contabilității concepte, aplicații, lexicon*. Iași: Editura Sedcom Libris, 2003.
- Horomnea E. Fundamentele științifice ale contabilității.Doctrină. Conceopte. Lexicon. Iași: Editura Tipo Moldova, 2008.
- Horomnea E. Lexicon contabil financiar armonizat cu Directivele Europene și Standardele Internaționale de Contabilitate. Iași: Editura "SEDCOM LIBRIS", 2003.
- Horomnea E. *Tratat de contabilitate teorii, concepte, principii, standarde.* Iași: Editura Sedcom Libris, 2001.
- Horomnea E., Budugan D., Tabără N., Georgescu I., Beţianu L. *Bazele contabiltății concepte. Modele. Aplicații.* Iași: Editura Sedcom Libris, 2006.
- Huian M.C. *Instrumente financiare: tratamente și opțiuni contabile.* București: Editura CECCAR, 2008.
- 57 Hull J.C. Options, Futures & Other Derivatives. USA: Prentice Hall, 2000.
- Ifrim E. *Piețele financiare și rolul lor în economia de piață, în: Contabilitatea, expertiza și auditul financiar.* București: CECCAR, nr. 12/2005.
- 59 Ionașcu I. *Epistemologia contabilității*. București: Editura Economică, 1997.
- Malciu L., Feleagă N. *Reglementare și practici de consolidare a conturilor*. București: Editura CECCAR, 2004.
- Manoiu N. CODUL FISCAL COMPARAT. București: Editura ConFisc, 2007.
- Matiș D., Pop A. *Contabilitate financiară*. Cluj-Napoca: Editura Casa Cărții de Știință, 2010.
- 63 Matis D. Contabilitatea operațiunilor speciale. Deva: Editura Intelcredo, 2003.
- Matiş D. coordnator. Bazele contabilității Fundamente și premise pentru un raționament profesonal autentic. Cluj Napoca: Editura Casa cărții de știință, 2010.
- Matiş D. şi colectiv. *Aspecte teoretice şi practice*. Cluj Napoca: Editura Alma Mater, 2005.
- Matiş D., cordonator. *Bazele contabilității aspecte teoretice și practice*. Cluj-Napoca: Editura Alma Mater, 2005.
- Matiş E.A. *Managementul performanței și riscului în băncile comerciale din România*. Cluj Napoca: Editura Casa Cărții de Știință, 2009.
- Matthews J.O. *Struggle and surival on WallStreet*. New York: Oxford University Press, 1994.
- Muller V.O. Situațiile financiare consolidate Dezvoltări și aprofundări la nivel internațional, european și național. Cluj Napoca: Editura Alma Mater, 2010.

- Munteanu V., Țurcan A. *Grupurile de societăți consolidarea contabilă*. București: Editura Economică, 1998.
- Mustață R.V. Sisteme de măsurare a armonizării și diversității contabile între necesitate și spontaneitate. Cluj Napoca: Editura Casa Cărții de Știință, 2008.
- 72 Nicolescu O., Verboncu I. *Management*. București: Editura Economică, 1997.
- 73 Niţchi St., Racoviţan D. coordonatori. *Bazele prelucrarii informațiilor şi tehnologie informațională*. Deva: Editura Intelcredo, 1996.
- Olteanu A., Olteanu M. A. "Piețe de capital". București: Editura DARECO, 2003.
- Palfi C.A. *Managementul financiar contabil al riscurilor în activitatea bancară*. Cluj Napoca: Editura Risoprint, 2009.
- Pântea P.I. Coordonator. *Contabilitatea financiară a agenților economici din România*. Deva: Editura INTECREDO, 1995.
- Pântea P.I. *Managementul contabilității românești, ediția a II-a.* Deva: Editura INTELCREDO, 1999.
- Pântea P.I., Bodea G. *Contabilitate românească armonizată cu Directivele Contabile Europene*. Deva: Editura Intelcredo, 2003.
- Pântea P.I., Bodea Gh. *Contabilitatea financiară românească*. Deva: Editura Intelcredo, 2009.
- Pântea P.I., Pop A., coordonatori. *Contabilitatea fnanciara a întreprinderii*. Cluj Napoca: Editura Dacia, 2004.
- Pereş I., Mateş D., Popa E.I., Pereş C., Domil A. *Bazele contabilității conepte și aplicații practice*. Timișoara: Editura Mirton, 2009.
- Petris R., Istrate C., Budugan D., Georgescu I. *Ghid practic pentru înțelegerea şi aplicarea Standardelor Internaționale de Contabilitate Situații financiare consolidate și contabilitatea investițiilor financiare.* București: Editura CECCAR, 2004.
- Pop A. Contabilitate financiară românească armonizată cu Directivele contabile europene și Standardele Internaționale de Contabilitate. Editura INTELCREDO, 2002.
- Pop A., Bădilă A., Pop I.A. *Bazele teoretice și metodologice ale contabilității în partidă dublă*. Cluj Napoca : Presa Universitară Clujană, 2002.
- Pop A., Ovidia D., Şerban C., Mangra M.G., Achim S. Secvențe din contabilitatea întreprinderii. Craiova: Editura Universitaria, 2005.
- Pop C. . *Tranzacții și piețe financiare internaționale*. Cluj Napoca: Presa Universitară Clujană, 2003.
- 87 Pop C. , Parpucea I. . *Gestiunea portofoliului de valori mobiliare*. Alba Iulia: AISTEDA , 2000.
- 88 Pop C. Piețe financiare. Cluj-Napoca: Editura Todesco, 2003.
- 89 Pop C. Piețe financiare. Cluj-Napoca: Editura TODESCO, 2000.
- 90 Popa I.E., Briciu S., Oprean I., Bunget O., Pereș C., Pete Ş. *Bazele contabilității*. București: Editura Economică, 2009.
- 91 Richard L. Daft. *Management*. New York: The Dryden Press, 1996.
- 92 Ristea M., Dumitru C.G. *Contabilitate aprofundată*. București: Editura Universitară, 2005.
- Roegen G. Legea eutropiei și procesul economic. București: Editura Politică,

- 1979.
- 94 Ross S.A., Westerfield R.W., Jaffe J.F. Corporate finance. Boston, 1993.
- 95 Rothfeldt M., Ljungstrom F. "Les marchés d'options". Paris: Buter Editions, 1990.
- 96 S.-C., Deaconu. *Îndrumar în contabilitate*. București: Editura Universitară, 2008.
- 97 Scortescu I.F. *Societățile de grup.* Iași: Editura "JUNIMEA", 2005.
- 98 Silveszter F. Cercetare conceptuală și empirică privind raportările financiare din Româna și Ungaria convergență și conformitate cu IFRS. Cluj Napoca: Editura Casa Cărții de Știință, 2008.
- 99 Tabără N. *Contabilitatea Națională a României*. Iași: Editura Sedcom libris, 2005.
- 100 Tabără N. Control de gestiune. Iași: Editura TipoMoldova, 2009.
- Tabără N. coordonator. *Control de gestiune*. Iași: Editura Tipo Moldova, 2009.
- Tabără N. *Modernizarea contabilității și controlului de gestiune*. Iași: Editura Tipo Moldova, 2006.
- Tabără N., Horomea E., Toma C. *Conturile anuale în sistemul decizional*. Iași: Editura Tipo Moldova, 2001.
- Tabără N., Horomnea E., Mircea M.-C. *Contabilitate internațională*. Iași: Editura Tipo Moldova, 2009.
- Tiron Tudor A., . *Consolidarea conturilor*. Bucureşti: Editor "Tribuna economică", 2000.
- 106 Tiron Tudor A., coordonator,. *Combinări de întreprinderi fuziuni și achiziți*. Editura Accent, 2005.
- 107 Tiron Tudor A., Fulop M.T., Cîrstea A., Iosivan R., Covaciu L., Costea A. *Fundamentele auditului financiar*. Cluj Napoca: Editura Accent, 2009.
- 108 Tiron-Tudor A. Contabilitate financiară a societăților comerciale mici și mijlocii. Cluj Napoca: Editura Dacia, 2004.
- Todea Al. *Managementul investițiilor pe piața de capital*. Cluj-Napoca: Editura Casa Cărții de Știință, 2003.
- Todea N. *Teorie contabilă și raportare financiară*. Alba Iulia: Editura Aeternitas, 2009.
- Tulai H. Piețe financiare. Cluj-Napoca: Editura Dacia, 2002.
- Tâţu L., Şerbănescu C., Ştefan D., Cataramă D., Nica A. Fiscalitate de la lege la practică, Ediția a III-a. Editura C.H. Beck, 2006.
- Widdowson H. G. . *Oxford Advanced Learner's Dictionary*. Oxford: Oxford University Press, 1993.

Journals

- 1. Colectia revistei Piata financiară, 1998 2010
- 2. Colecția revistei Tribuna Economică, 1998 2010
- 3. Colectia ziarului Bursa 1998 2010
- 4. Colectia Ziarului financiar, 2000 2010
- 5. Colectia revistei Capital, 1998 2010

- **6.** Colecția Revista de Drept Comercial, 2000 2010
- 7. Colecția reviste Audit Financiar, 2007 2010

Legislation

- 1. *** proiect GHID practic de aplicare a Reglementărilor contabile armonizate cu Directiva a IV-a a Comunităților economice europene și cu Standardele Internaționale de Contabilitate
- 2. *** STANDARDE INTERNAȚIONALE DE CONTABILITATE, Ediția 2007, Editura Economică București 2008
- **3.** *** Standarde Internaționale de Raportare Financiară, Editura CECCAR, București 2005 2007
- 4. Codul Fiscal al României din 22/12/2003 Versiune consolidată la data de 01/01/2010
- 5. DECIZIE Nr. 9 din 8 octombrie 2003 pentru aprobarea soluțiilor referitoare la aplicarea unor prevederi legale privind impozitul pe profit, coroborate cu Reglementările contabile armonizate cu directivele europene și cu Standardele Internaționale de Contabilitate
- 6. Directiva a VII-a a Comunităților Economice Europene din 29/10/2009, Publicat in Monitorul Oficial, Partea I nr. 766bis din 10/11/200, actce a intrat in vigoare la data de 01 ianuarie 2010
- 7. Legea concurenței nr. 21/1996, publicată în M. Of. Nr. 280/31.03.2004, cu modificările și completările ulterioare adoptate prin OUG nr. 121/04.12.2003, aprobată prin Legea nr. 184/2004
- 8. Legea nr. 133/1996 pentru transformarea Fondurilor proprietății Privateîn societăți de investiții financiare
- 9. Legea nr. 241/2005 pentru prevenirea și combaterea evaziunii fiscale
- 10. Legea nr. 297 din 28 iunie 2004 privind piața de capital, art. 2 al. (1), pct. 7, publicată în MONITORUL OFICIAL nr. 571 din 29 iunie 2004
- 11. Legea societatilor comerciale din 16/11/1990, Versiune actualizata la data de 30/10/2005, privind societățile comerciale cu modificările din următoarele acte: Legea nr. 302/2005, Legea nr. 85/2006, Legea nr. 164/2006, Legea nr. 441/2006, Legea nr. 516/2006, O.U.G. nr. 82/2007, O.U.G. nr. 52/2008 publicată în MOF nr. 333 din 30/04/2008, Legea nr. 284/2008 publicată în MOF nr. 778 din 20/11/2008, Legea nr. 88/2009 publicată în MOF nr. 246 din 14/04/2009
- **12.** O.M.F.P. nr. 306/2002 pentru aprobarea Reglementărilor contabile simplificate armonizate cu directivele europene
- 13. OMF nr. 772/2000 de aprobare a Normelor privind consolidarea conturilor
- **14.** Ordin nr. 3055/2009 Reglementare contabilă conformă cu Directiva a IV-a a Comunităților Economice Europene și cu Directiva a VII-a a Comunităților Economice Europene din 29/10/2009, Publicat in Monitorul Oficial, Partea I nr. 766bis din 10/11/200, actul a intrat in vigoare la data de 01 ianuarie 2010
- 15. O.U.G nr. 23/2002 privind valorile mobiliare, serviciile de investiții financiare și piețe reglementate publicată în M.Of. 238/09.04.2002
- **16.** OMFP nr. 907/2005 privind aprobarea categoriilor de persoane juridice care aplică reglementările contabile conforme cu IFRS

INTERNET sites

- 1. http://europa.eu.int
- 2. http://legilatie.just.ro
- 3. www.accaglobal.com
- 4. www.bmfms.ro
- 5. www.bnro.ro
- **6.** www.brm.ro
- 7. www.bvb.ro
- 8. www.ceccar.ro
- 9. www.cme.co
- 10. www.cnvmr.ro
- 11. www.ey.com
- 12. www.fasb.org
- 13. www.fitchratings.com
- **14.** www.focusifrs.com
- 15. www.frc.org.uk
- **16.** www.gtnews.com
- 17. www.iasb.org
- **18.** www.iasplus.com
- 19. www.icaew.co.uk
- 20. www.ifac.org
- 21. www.imf.org
- 22. www.isda.org
- 23. www.kmarket.ro
- **24.** www.kpmg.com
- 25. www.mfinante.ro
- **26.** www.nyse.com
- 27. www.pwc.com
- 28. www.scrgrup.ro
- 29. www.unopc.ro
- **30.** www.consultant-investitii.ro