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A conceptual framework on perspectives of student experiences at campuses throttling student satisfaction

RESEARCH ARTICLE

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ABSTRACT

This research paper focuses on vivacity of student experiences at divergent campuses. The peak in serenity of institutes with not so spacious campuses irks the noise among students on quality versus quantity perpetuation of education. The conceptual framework is an effort to realise that it is students experiences at large moulds and sustains student satisfaction making campuses a memorable demystifying the personification of multitudinal functioning of campuses.

Key Words: Constraints, Improved production technology, Socio-economic profile, Suggestions

INTRODUCTION

Student experiences:

For long the quality of education rested on customers perceptions of quality, their vital ratings often loomed large assuming towards overall satisfaction (Owlia and Aspinwall, 1998). The university as a quality measure on student growth (Tam, 2002) finds a divergence in its early regular and late registration affecting college students success (Smith *et al.*, 2002). College experience determines students educational plans (Pascarella *et al.*, 2003) forecasting that student adaptation to new learning environments can have unexpected outcomes (Taylor *et al.*, 2004). This has called out for a collective approach to enhancing engineering education for undergraduates (Mcalpine *et al.*, 2005) with strategies for improved academic and social outcomes needs to enhance student success skills (Webb and Bringman, 2006) that nourishes students perceptions in educational choices (Aboh, 2006). Further the undergraduate college experiences impact workforce of the 21st century (Engberg, 2007). The perceptions of education among students of engineering (High and Dockers, 2007) acts as a planning process perspective on upward influence determining campus change (Barnett *et al.*, 2008) of college students towards personal growth of recognition and life satisfaction (Stevic and Ward, 2008).

Uncovering hidden information within university's student enrolment (Siraj and Abdoulha, 2009) has its demography correlates with domain-based life satisfaction of college students (Zullig *et al.*, 2009) transcending towards student engagement (Queensland, 2009). The undergraduate education satisfaction of the higher education institutions (He and Xiaohua, 2010) is based on customer

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satisfaction has a great impact on customer behavior. Service quality and image of colleges (Jing-yan *et al.*, 2010) pressures up the multilevel model of educational expectations (Lowman and Elliott, 2010).

A snapshot of young India's perspective in education from access to satisfaction and future undergraduate education at the Indian Institutes of Technology (Varma and Kapur, 2010) reflects students perceptions of university life (Lin, 2010) treading a path of student satisfaction with higher education being of teaching, skills and knowledge acquired and not just the curriculum itself (Gibson, 2010). However much noticeably student satisfaction differs from full time to part time students (Moro-Egido and Panades, 2010).

A transformative collegiate discourse (Ortlieb, 2011) at college campus help students to find the purpose of life that contributes to a lot of meaning making of student life (Chesbrough, 2011). The student satisfaction with higher education is critical for student development (Lourdes *et al.*, 2011) and all of the students educational experiences must relate to student satisfaction (El Ansari, 2011) as it only student understanding of satisfaction contributes to student performance (Walker and Palmer, 2011). Thus it is quality of life at campus that impact subjective wellbeing of students (Malkoç, 2011) that often leaves a student rendezvous with memorable messages of navigating across college life (Nazione *et al.*, 2011).

College education emancipates ecumenical worldview development among students (Mayhew, 2012). Student satisfaction depends on students perceptions of quality of institutions (Wilkins *et al.*, 2012) relies on students experiences at college (Julia and Veni, 2012) and especially among students of engineering (Wilson *et al.*, 2012). The implementation of student satisfaction index model in higher educational institutions (Temizer and Turkyilmaz, 2012) sets apart the institutional differences in student satisfaction (Barnes and Randall, 2012) that relates to a much farther end that students educational experiences impact student satisfaction (Zhai, 2012).

Student success in engineering education that start off with students' background and disposition variables, education attributes, variables concerning educational climate etc. (van den Bogaard, 2012) needs a deeper understanding of undergraduate students' experience (Chambers and Chiang, 2012) which though has its initial steps of measurement with enrollment differences towards student satisfaction (Barnes and Randall, 2012) seeking out that less has been worked about on students satisfaction with teaching, learning and overall university experiences impacting engineering students performance (Choudhary, 2012) and the less talked about life satisfaction out of one's educational experiences (Daraei and Mohajery, 2013). Thus an assessment of factors that impacts success for incoming college students (Reisel et al., 2012) is vital.

Engineering undergraduate experience which is a qualitative experience (Ganguly *et al.*, 2013) has to have its Quality Function Deployment (QFD) technique as a total quality management (TQM) tool, for planning and improvement of quality to gain competitive edge by satisfying student needs (Verma and Dawar, 2013). The customer focus in higher education has to speak volumes of student satisfaction (Mark, 2013) that always has been dwindling in between demographic and attitudinal factors of student satisfaction (Nwenyi and Baghurst, 2013).

Student life helps in identity construction (Lairio *et al.*, 2013) with the ability towards lifelong learning (Lord *et al.*, 2013) and more of self-reported learning gains experiences at college (Porter, 2013). So as students identity with science impacts students performance (Merolla and Serpe, 2013), it's the virtual academic performance determine life satisfaction of college students (Malik *et al.*, 2013). Therefore though the eventual personal development of youth expeditions (Stott *et al.*, 2013) transcends students satisfaction in higher education differing by gender age academic

year and other parameters (De Jager and Gbadamosi, 2013), the national priority always depends on a student equation of Academic learning + social - emotional learning = national priority (Weissberg and Cascarino, 2013).

Student satisfaction:

Student satisfaction differed among different college students (Sarrico and Rosa, 2014). The Student Quality Circle (SQC), an initiative for raising the bar of quality learning and quality teaching impact on students' traits, learning attitudes etc (Faridi *et al.*, 2014) emphasises Quality of College Life (QCL) of students towards students' life satisfaction and identification (Arslan and Akkas, 2014). The gap between students' expectation and experiences at colleges and institutions of higher learning (Awang *et al.*, 2014) reflect on student aspirations may be extremely resistant to change and intervention, but students' understanding of 'where science can lead' may be more amiable to intervention (Archer *et al.*, 2014) towards a better understanding of becoming an excellent student among engineering undergraduates (Monteiro *et al.*, 2014).

Further the construction of college students' satisfaction model (Guo et al., 2014) highlights problems students face at university (Kiraz, 2014) where even foreign undergraduate students' experiences diversity of the university (Liu and Winder, 2014). This indicates that though academic quality primarily intensifies student satisfaction (Negricea et al., 2014) every student has a personal responsibility of building and making an inclusive campus (Abes, 2014) that converges cultural humility towards transformative complicity and empowerment among undergraduate students in higher education (Duntley-Matos, 2014).

Lastly, college students must speak success (Fauria and Zellner, 2015). The far long educational strategies that aim academic success (Milne *et al.*, 2016) has been unidirectional focusing only on academic engagement that leads to student satisfaction and success (Thalluri, 2016). It more often forgotten that students wellbeing impacts academic progress (Sibley *et al.*, 2016). The quality of academic life impacts academic performance, loyalty and institutional or university recommendations (Pedro *et al.*, 2016) ensuring in the long run the quality of students institutional experiences and their level of integration into the academic and social systems of their academic institutions results in successful retention (Aljohani, 2016). After all college students subjective wellbeing is all vital at the campus (Renshaw and Bolognino, 2016).

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From the above literature it is evident that a student lives amongst students and relatively his or her experiences of superlative degree is vital for sustenance at campus. The scope of conceptual framework could be an initiative drive to improve and enhance student experiences at campus which by far has been bound to numbers of enrolment only.

Conclusion:

Campuses evolve and change drastically. Student experiences is the heart of academic imperatives so that information, guidance, support and practical advice could be viable towards student satisfaction through student life cycle. Student activities could go a desirable step further

which interlinks student welfare via academic that transcends student experience transitions to a new level of authenticity.

REFERENCES

- Abes, E.S. (2014). Why Aren't We There Yet? Taking Personal Responsibility for Creating an Inclusive Campus ed. by Jan Arminio, Vasti Torres, Raechele L. Pope. *J. College Student Development*, **55**(8): 858–861. https://doi.org/10.1353/csd.2014.0079.
- Aboh, S.S.F. (2006). What It Means To Become Somebody?: The Power of Perception and Girls TM Educational Choices in Benin, Africa. *The J. Negro Education*, **75**(4): 606–620. Retrieved from http://www.jstor.org/stable/40034661.
- Aljohani, O. (2016). A Review of the Contemporary International Literature on Student Retention in Higher Education. *Internat. J. Education & Literacy Studies*, **4**(1): 40–52. https://doi.org/10.7575/aiac.ijels.v.4n.1p.40
- Archer, S.N., Laing, E.E., Möller-Levet, C.S., van der Veen, D.R., Bucca, G., Lazar, A. S., ... Dijk, D.J. (2014). Mistimed sleep disrupts circadian regulation of the human transcriptome. *Proceedings of the National Academy of Sciences*, **111**(6): E682–E691. https://doi.org/10.1073/pnas.1316335111
- Arslan, S. and Akkas, O.A. (2014). Quality of College Life (QCL) of students in Turkey: Students' life satisfaction and identification. *Soc. Indicators Res.*, **115**(2): 869–884. https://doi.org/10.1007/s11205-013-0235-9
- Awang, M.M., Ahmad, A.R., Bakar, A., Hashim, Z., Asrul, M. and Ibrahim, H. (2014). Examining Gaps between Students' Expectations and Experiences in a Private University. *Mediterranean J. Soc. Sci.*, **5**(8): 396–401. https://doi.org/10.5901/mjss.2014.v5n8p396
- Barnes, B.J. and Randall, J. (2012). Doctoral student satisfaction: An examination of disciplinary, enrollment and institutional differences. *Res. Higher Education*, **53**(1): 47-75.
- Barnett, K., Ropers-Huilman, R. and Aaron, L. (2008). A Planning-Process Perspective on Student Activists' Upward Influence Attempts to Effect Campus Change. *Southern Communication J.*, **3203**(September). https://doi.org/10.1080/10417940802418833
- Chambers, T. and Chiang, C.H. (2012). Understanding undergraduate students' experience: A content analysis using NSSE open-ended comments as an example." *Quality & Quantity*, **46**(4): 1113–1123. https://doi.org/10.1007/s11135-011-9549-3
- Chesbrough, R.D. (2011). Helping College Students Find Purpose: The Campus Guide to Meaning-Making (review). *J. College Student Development*, **52**(4): 505–507. https://doi.org/10.1353/csd.2011.0049
- Choudhary, M. (2012). Factors Influencing Engineering Students 'Performance and their Relationship with the Student Satisfaction with the Teaching, Learning as well as Overall University Experiences." *In 2012 International Conference on Information Technology Based Higher Education and Training (ITHET)* (pp. 5–9). https://doi.org/http://dx.doi.org/10.1109/ITHET.2012.6246023
- Daraei, M. and Mohajery, A. (2013). The impact of socioeconomic status on life satisfaction. *Social Indicators Res.*, **112**(1): 69-81.
- De Jager, J. and Gbadamosi, G. (2013). Predicting students' satisfaction through service quality inhigher education. *Internat. J. Management Education*, **11**(3):107–118. https://doi.org/10.1016/j.ijme.2013.09.001
- Duntley-Matos, R. (2014). Transformative Complicity and Cultural Humility: De- and Re-Constructing Higher Education Mentorship for Under-represented Groups." *Qualitative Sociol.*, **37**(4): 443–466. https://doi.org/10.1007/s11133-014-9289-5

- El Ansari, W. (2011). Factors associated with students' satisfaction with their educational experiences and their module grades: Survey findings from the United Kingdom. *Educational Res.*, **2**(11): 1637–1647.
- Engberg, M.E. (2007). Educating the workforce for the 21st century: A cross-disciplinary analysis of the impact of the undergraduate experience on students' development of a pluralistic orientation. *Res. Higher Education*, **48**(3):283–317. https://doi.org/10.1007/s11162-006-9027-2
- Faridi, M.R., Al Kahtani, N.S., Alam, T. and Malki, S. (2014). An Introduction to Student Quality Circle at College of Business Administration, Salman bin Abdulaziz University, Al Kharj, Kingdom of Saudi Arabia-An Empirical Study. *Internat. Education Studies*, 7(9): 148–160. https://doi.org/10.5539/ ies.v7n9p148
- Fauria, R.M. and Zellner, L.J. (2015). College Students Speak Success. *J. Adult Development*, **22**(2): 90–99. https://doi.org/10.1007/s10804-014-9203-0
- Ganguly, S., Kulkarni, M. and Gupta, M. (2013). The Engineering Undergraduate Experience: A Qualitative Perspective. *Psychological Studies*, **58**(3): 248–258. https://doi.org/10.1007/s12646-013-0202-1
- Gibson, A. (2010). Measuring business student satisfaction: a review and summary of the major predictors. *J. Higher Education Policy & Management*, **32**(3): 251–259. https://doi.org/10.1080/13600801003743349
- Guo, S., Teng, F., Guo, J. and Sun, Y. (2014). The construction of college student's satisfaction model based on structural equation model. *J. Chemical & Pharmaceu. Res.*, **6**(6): 164–169. Retrieved from https://www.scopus.com/inward/record.uri?eid=2-s2.0-84924748807&partnerID=40&md5=f88a31528e8ad65595c 7fd3bd66e445e
- He, G. and Xiaohua, R. (2010). Study on the Undergraduate Education Satisfaction of the Higher Education Institutions. *In 2010 3rd International Conference on Information Management, Innovation Management and Industrial Engineering* (Vol. 1, pp. 352–355). https://doi.org/10.1109/ICIII.2010.91
- High, K.A. and Dockers, J.E. (2007). Work in Progress Perceptions of Education Students of Engineering. *In* 37th ASEE/IEEE Frontiers in Education Conference (pp. 13–14).
- Jing-yan, L.J.L., Xiao-chen, D.X.D. and Yu-hong, L.Y.L. (2010). Research on Relationship of Customer Satisfaction in Chinese Higher Education. 2010 Second International Workshop on *In Education Technology and Computer Science (ETCS)* (Vol. 2, pp. 1997–2000). https://doi.org/10.1109/ ETCS.2010.105
- Julia, M. and Veni, B. (2012). An analysis of the factors affecting students' adjustment at a University in Zimbabwe. *Internat. Education Studies*, **5**(6): 244–250. https://doi.org/10.5539/ies.v5n6p244
- Kiraz, Z. (2014). Investigating the University Student's Problems Faced in University Life: A Sample of Turkey. *Procedia - Social and Behavioral Sciences*, 116, 4905–4909. https://doi.org/10.1016/ j.sbspro.2014.01.1047
- Lairio, M., Puukari, S. and Kouvo, A. (2013). Studying at University as Part of Student Life and Identity Construction. *Scandinavian J. Educational Res.*, **57**(2): 115–131. https://doi.org/10.1080/00313831.2011.621973
- Lin, Y. (2010). Taiwanese university students' perceptions of university life. *Counselling Psychol. Quarterly*, **23**(2):189–202. https://doi.org/10.1080/09515071003798220
- Liu, D.W.Y. and Winder, B. (2014). Exploring foreign undergraduate students' experiences of university. *Internat. J. Qualitative Studies Education*, **27**(1): 42–64. https://doi.org/10.1080/09518398.2012.736643
- Lord, S.M., Brawner, C.E., Camacho, M.M., Layton, R. a, Ohland, M.W. and Wasburn, M.H. (2009). Engineering students' disciplinary choices: Do race and gender matter? *In 39th ASEE/IEEE Frontiers in Education*

- Conference (pp. 1-2). Retrieved from http://ieeexplore.ieee.org.libweb.lib.utsa.edu/xpls/abs all.jsp?arnumber=5350589
- Lord, S.M., Mcgaughey, K.J., Chen, J.C. and Chang, V.W. (2013). Measuring Propensity for Lifelong Learning?: *In 2013 IEEE Global Engineering Education Conference (EDUCON)* (pp. 329–334).
- Lowman, J. and Elliott, M. (2010). A multilevel model of educational expectations of secondary school students in the United States. *Soc. Psychol. Edu.*, **13**(1): 77-110. https://doi.org/10.1007/s11218-009-9099-x
- Malik, M., Nordin, N., Zakaria, A. and Sirun, N. (2013). An Exploratory Study on the Relationship between Life Satisfaction and Academic Performance Among Undergraduate Students of UiTM, Shah Alam. *Procedia Soc. & Behavioral Sci.*, **90**(InCULT 2012): 334–339. https://doi.org/10.1016/j.sbspro.2013.07.099
- Malkoç, A. (2011). Quality of life and subjective well-being in undergraduate students. *Procedia Soc. & Behavioral Sci.*, **15**: 2843–2847. https://doi.org/10.1016/j.sbspro.2011.04.200
- Mark, E. (2013). Student satisfaction and the customer focus in higher education. *J. Higher Education Policy & Management*, **35**(1): 2–10. https://doi.org/10.1080/1360080X.2012.727703
- Mayhew, M.J., Seifert, T.A. and Pascarella, E.T. (2012). How the First Year of College Influences Moral Reasoning Development for Students in Moral Consolidation and Moral Transition. *J. College Student Development*, **53**(1):19–40. https://doi.org/10.1353/csd.2012.0004
- Mcalpine, L., Gandell, T., Winer, L., Gruzleski, J., Mydlarski, L., Nicell, J. and Harris, R. (2005). A collective approach towards enhancing undergraduate engineering education. *European J. Engg. Edu.*, **30**(3): 377–384. https://doi.org/10.1080/03043790500114599
- Merolla, D.M. and Serpe, R.T. (2013). STEM enrichment programs and graduate school matriculation: The role of science identity salience. *Soc. Psychol. Educ.*, **16**(4): 575–597. https://doi.org/10.1007/s11218-013-9233-7
- Milne, T., Creedy, D.K. and West, R. (2016). Integrated systematic review on educational strategies that promote academic success and resilience in undergraduate indigenous students. *Nurse Educ. Today*, **36**:387–394. https://doi.org/10.1016/j.nedt.2015.10.008
- Monteiro, S., Almeida, L.S., Vasconcelos, R.M. and Cruz, J.F.A. (2014). Be(com)ing an excellent student: a qualitative study with engineering undergraduates. *High Ability Studies*, (November 2014), 37–41. https://doi.org/10.1080/13598139.2014.966066
- Moro-Egido, A.I. and Panades, J. (2010). An analysis of student satisfaction: Full-time vs. part-time students. *Soc. Indicators Res.*, **96**(2): 363–378. https://doi.org/10.1007/s11205-009-9482-1
- Nazione, S., Laplante, C., Smith, S.W., Cornacchione, J., Russell, J. and Stohl, C. (2011). Memorable Messages for Navigating College Life. *J. Appl. Communication Res.*, **39**(2): 123–143. https://doi.org/10.1080/00909882.2011.556138
- Negricea, C.I., Edu, T. and Avram, E.M. (2014). Establishing Influence of Specific Academic Quality on Student Satisfaction. *Procedia Soc. & Behavioral Sci.*, **116**: 4430–4435. https://doi.org/10.1016/j.sbspro.2014.01.961
- Nwenyi, S. and Baghurst, T. (2013). Demographic and attitudinal factors influencing doctoral student satisfaction. *Canadian Soc. Sci.*, **9**(6): 47–56. https://doi.org/10.3968/j.css.1923669720130906.3040
- Ortlieb, E. (2011). A Transformative Collegiate Discourse. SAGE Open, 1(1). https://doi.org/10.1177/2158244011408117
- Owlia, M.S. and Aspinwall, E.M. (1998). A framework for measuring quality in engineering education. *Total Quality Management*, **9**(6): 501–518. https://doi.org/10.1080/0954412988433

- Pascarella, E.T., Wolniak, G.C. and Pierson, C.T. (2003). Influences on Community College Students 'Educational Plans. *Res. Higher Edu.*, **44**(3): 301–314.
- Pedro, E., Leitão, J. and Alves, H. (2016). Does the Quality of Academic Life Matter for Students' Performance, Loyalty and University Recommendation? *Appl. Res. Quality Life*, **11**(1); 293–316. https://doi.org/10.1007/s11482-014-9367-6
- Porter, S.R. (2013). Self-Reported Learning Gains: A Theory and Test of College Student Survey Response. *Res. Higher Educ.*, **54**(2): 201–226. https://doi.org/10.1007/s11162-012-9277-0
- Queensland, S. (2009). What makes students happy?? Factors influencing student engagement using student evaluation data what makes students happy?? Factors influencing student engagement using student evaluation data. *In FYE Curriculum Design Symposium 2009: Showcase* (pp. 59–63).
- Reisel, J.R., Jablonski, M., Hosseini, H. and Munson, E. (2012). Assessment of factors impacting success for incoming college engineering students in a summer bridge program. *Internat. J. Mathematical Education Sci. & Technol.*, **43**(4): 421-433. https://doi.org/10.1080/0020739X.2011.618560
- Renshaw, T.L. and Bolognino, S.J. (2016). The College Student Subjective Wellbeing Questionnaire: A Brief, Multidimensional Measure of Undergraduate's Covitality. *J. Happiness Studies*, **17**(2): 463–484. https://doi.org/10.1007/s10902-014-9606-4
- Sarrico, C.S. and Rosa, M.J. (2014). Student satisfaction with Portuguese higher education institutions: the view of different types of students. *Tertiary Education & Management*, **20**(2): 165–178. https://doi.org/10.1080/13583883.2014.900108
- Sibley, J., Hamilton, D. and Chugh, R. (2016). International Student Wellbeing and Academic Progress. *Internat. Student Experience J.*, **3**(2): 1–9.
- Siraj, F. and Abdoulha, M.A. (2009). Uncovering hidden information within university's student enrollment data using data mining. *In Proceedings 2009 3rd Asia International Conference on Modelling and Simulation, AMS* 2009 (pp. 413–418). https://doi.org/10.1109/AMS.2009.117
- Smith, A.B., Street, M.A. and Olivarez, A. (2002). Early, Regular and Late Registration and Com M Unity College Student Success?: a Case Study. *Community College J. Res. & Practice*, **26**(December 2014), 261–273. https://doi.org/10.1080/106689202317245455
- Stevic, C.R. and Ward, R.M. (2008). Initiating personal growth: The role of recognition and life satisfaction on the development of college students. *Soc. Indicators Res.*, **89**(3): 523–534. https://doi.org/10.1007/s11205-008-9247-2
- Stott, T., Allison, P., Felter, J. and Beames, S. (2013). Personal development on youth expeditions: a literature review and thematic analysis. *Leisure Studies*, (October), 1–33. https://doi.org/10.1080/02614367.2013.841744
- Tam, M. (2002). University Impact on Student Growth: A quality measure? J. Higher Edu. Policy & Management, 24(2):211–218. https://doi.org/10.1080/1360080022000013527
- Taylor, P.G., Pillay, H. and Clarke, J.A. (2004). Exploring student adaptation to new learning environments: some unexpected outcomes. *Internat. J. Learning Technol.*, **1**(1): 100. https://doi.org/10.1504/IJLT.2004.003684
- Temizer, L. and Turkyilmaz, A. (2012). Implementation of Student Satisfaction Index Model in Higher Education Institutions. *Procedia Soc. & Behavioral Sci.*, **46**: 3802–3806. https://doi.org/10.1016/j.sbspro.2012.06.150
- Thalluri, J. (2016). Bridging the gap to first year health science: Early engagement enhances student satisfaction and success. *Student Success*, **7**(1): 37. https://doi.org/10.5204/ssj.v7i1.305

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- Van den Bogaard, M. (2012). Explaining student success in engineering education at Delft University of Technology: a literature synthesis. *European J. Engg. Edu.*, **37**(1): 59–82. https://doi.org/10.1080/03043797.2012.658507
- Varma, R. and Kapur, D. (2010). Access, satisfaction and future: Undergraduate education at the Indian Institutes of Technology. *Higher Edu.*, **59**(6): 703–717. https://doi.org/10.1007/s10734-009-9275-0
- Verma, D.S. and Dawar, R. (2013). Application of Quality Function Deployment in an Engineering College Using Analytical Hierarchy Process. *J. Engg. Res. & Applications*, **3**(5): 1993–2004.
- Webb, L.D. and Bringman, G.A. (2006). Student Success Skills: Tools and Strategies for Improved Academic and Social Outcomes. *Professional School Counselling*, **2**(2): 112–120. Retrieved from http://www.jstor.org/stable/24029154
- Weissberg, R.P. and Cascarino, J. (2013). Learning national priori Policy makers need to challenges of the world. *The Phi Delta Kappan*, **95**(2): 8–13.
- Wilkins, S., Balakrishnan, M. and Huisman, J. (2012). Student satisfaction and student perceptions of quality at international branch campuses in the United Arab Emirates. *J. Higher Education Policy & Management*, **34**(5):543–556. https://doi.org/10.1080/1360080X.2012.716003.
- Wilson, Z.S., Iyengar, S.S., Pang, S.S., Warner, I.M. and Luces, C.A. (2012). Increasing Access for Economically Disadvantaged Students: The NSF/CSEM & S-STEM Programs at Louisiana State University. *J. Sci. Edu. & Technol.*, **21**(5): 581–587. https://doi.org/10.1007/s10956-011-9348-6
- Zhai, L. (2012). Initial Validation of an Instrument to Measure Community College Student Satisfaction. *Community College J. Res. & Practice*, **36**(1): 47–58. https://doi.org/10.1080/10668920802648916
- Zullig, K.J., Huebner, E.S. and Pun, S.M. (2009). Demographic correlates of domain-based life satisfaction reports of college students. *J. Happiness Studies*, **10**(2): 229–238. https://doi.org/10.1007/s10902-007-9077-y.
