

Inclusive Classes: How Do Pupils in Such Classes Perform in Comparison with Non-Inclusive Ones?

Cipta Pramana^{1*}, Munakib², Muhamad Riyad³, Andino Maseleno⁴

¹Program Pascasarjana Universitas Negeri Semarang, Indonesia & STIKES Guna Bangsa Yogyakarta, Indonesia. E-mail: pramanacipta@yahoo.com

²Institut UmmulQuro Al Islami, Bogor, Indonesia. E-mail: munakib@iuqibogor.ac.id

³Institut UmmulQuro Al Islami, Bogor, Indonesia. E-mail: m.riyad@iuqibogor.ac.id

⁴Political Science Association of Kasetsart University, Kasetsart University, Thailand. E-mail: andimaseleno@gmail.com

*Corresponding author E-mail: pramanacipta@yahoo.com

Article Info

Volume 82

Page Number: 5161 - 5168

Publication Issue:

January-February 2020

Abstract:

In numerous countries, education guidelines are shifting in the direction of comprehensive training. Human rights have for all time been a vital argument for this improvement, however the consequences on students should be a crucial difficulty as soon as coming up with guidelines. At some stage in this assessment, consequently, literature on the results of inclusion on each students with and whilst no longer special academic wants is represented. The overview covers no longer completely effects on psychological characteristic improvement, but conjointly Socio-emotional results. In well-known, the outcomes show neutral to nice consequences of comprehensive training. The instructional the academic the academic accomplishment of scholars with and whilst now not special educational needs seems to be similar to non-inclusive classes or perhaps higher in complete categories. However, there may be additionally some differential effects for high- and coffee-achieving students at the same time as now not special instructional wants. Regarding social effects, children with unique Educational needs appear too personal a less beneficial social function than kids while not unique educational wants.

Keywords: Inclusive classes, Inclusive classes' process, Analysis of inclusive classes, Inclusive in a totally non-inclusive classes

Article History

Article Received: 18 May 2019

Revised: 14 July 2019

Accepted: 22 December 2019

Publication: 25 January 2020

1. Introduction

Inclusive education is as soon as all college students, regardless of any challenges they will have, rectangular degree positioned in age-appropriate trendy education categories that square measure of their very own community faculties to get hold of top notch instruction, interventions, and helps that alter them to fulfill fulfillment inside the middle syllabus. The college and schoolroom treat the premise that students with disabilities square measure as essentially competent as students while not disabilities. Consequently, all college students could be full individuals within their lecture rooms and within the local college

community. Plenty of the motion is stated to legislation that scholars acquire their education within the least restrictive environment.

This implies they may be with their friends while not disabilities to the utmost diploma doable, with well-known education the place of initial opportunity for all college students. However the purpose is this must be the exception. The using Precept is to shape all students sense welcome, fitly challenged, and supported in their efforts. It is conjointly critically important that the adult's rectangular measure supported, too. This consists of the normal schooling teacher and additionally the schooling teacher,

further as all special personnel and faculty who rectangular degree key stakeholders which conjointly consists of oldsters. Successful inclusive education occurs often through accretive, expertise, and about to scholar variations and variety, which might embrace bodily, cognitive, educational, social, and emotional. That is often to no longer say that scholars never have to pay trip of regular training classes, as a result of generally they are doing for an incredibly particular motive as an example, for speech or physiotherapy.

2. Inclusive classes review

2.1 A case take a look at of inclusive classes in schools and categories

Mrs. Brown has been coaching for many years currently and is every excited and a hint apprehensive concerning her college's name to put in force inclusive classes education. Over time she has had many training students in her class however they either got pressure out for time with specialists or sincerely joined for sports like artwork, tune, lunch, and generally for chosen lecturers. She has all the time observed this methodology a small Amount disjointed and has needed to be additional a long way more rather more manner greater worried in teaching these college students and finding approaches that they will take part greater truly in her room. she is aware about she wishes guidance in arising with and imposing her inclusive room, but she's organized for the project and searching forward to seeing the several blessings she's been analyzing and hearing regarding for the children, their families, their friends, herself, and additionally the college As a complete. During the month before college begins, Mrs. brown meets with the training trainer, Mr. Lopez and one of a kind lecturers and workers un employer work along with her students to coordinate the instructional installation it is supported the man or woman academic plan of the 3 college students with disabilities un organization are in her class the imminent 12 months.

Approximately time period before school begins, she invitations every of the three youngsters and also their households to go back into the room for character excursions and get-to-realize-you classes with each herself and the schooling trainer. She makes sure to provide records regarding returned to faculty night and extends a private invite to them to wait in order that they will meet the alternative families and youngsters. She feels superb concerning but that is frequently coming returned alongside and the way excited and satisfied the youngsters and their household's square degree feeling. One student extraordinarily summed it up once he advised her you and me rectangular Measure achieving to have a super year! The school district and also the important have dispatched out communications to any or all the folks regarding the pass to inclusion education at Mrs. Brown's college. currently she wants to shape sure she extraordinarily communicates correctly with the folks, specifically as a number of the oldsters of every companion degreed normal male erectile disorder students have expressed hesitation that having their child in an inclusive room could work.

She talks to the administration and specific lecturers and, with their k, sends out a joint verbal exchange while regarding 2 months into the university year with a few queries furnished by using the e book making inclusive lecture rooms like how has being in partner degree inclusion room affected your child academically, socially, and behaviorally? Please describe any blessings or negative consequences you have got discovered on your child. What elements crystal rectifier to the ones adjustments? associate degreed "how has your infant's placement in an inclusion room affected you? Please describe any advantages or any poor outcomes for you. What in addition statistics could you prefer to own regarding inclusion and your toddler's magnificence? She plans to appear for developments and put together a communication that she is going to percentage with oldsters. She moreover plans to channel a shape with completely exclusive queries every variety of months throughout the college year.

Since she pointed out concerning the move to companion diploma inclusive classes education method at her faculty, Mrs. Brown has been operating carefully with the schooling teacher, Mr. Lopez, and reading a fantastic deal regarding the blessings and additionally the challenges. Decided to attain success, she is very centered on effective inclusive classes' room techniques. Her hard work is paying off. Her mid-12 months and stop-of-year outcomes square measure extraordinarily high quality. The sides square Measure assembly their desires. Her everyday male erectile disorder college students rectangular degree exelling.



Fig.1: Inclusive classes

A spirit of collaboration and wonderful electricity pervades her room and she or he feels this inside the entire school as they comply with inclusive training. The children rectangular measure happy and happy with their accomplishments. The most important regularly compliments her. The parents' rectangular degree fine, comfy, and certificatory. Mrs. Brown is aware about she has quite a few to be informed and do, but her self-assurance and satisfaction square degree excessive. She could be very extremely joyful that she has been chosen to be a segment of her district's team to train distinctive ordinary schooling academics regarding inclusive classes' education and lecture rooms.

2.2 Representation of inclusive classes

Inclusive education, as mentioned and delineated with the aid of training professionals, can be a philosophy. It's no longer a program, nor will it take place in isolation. It cannot manifest in a single room and now not the opposite. The made inclusion of special wants students wishes the shared rate device, resources and collaboration of the kingdom/province, territorial department, domestic, college and room. Due to the fact the individual of inclusion needs such a lot of components to it is implementation and success, it is typically referred to by way of breaking it down into its topics and sub-topics. For example, we generally tend to cite co-coaching, differentiated mastering, faculty communication.

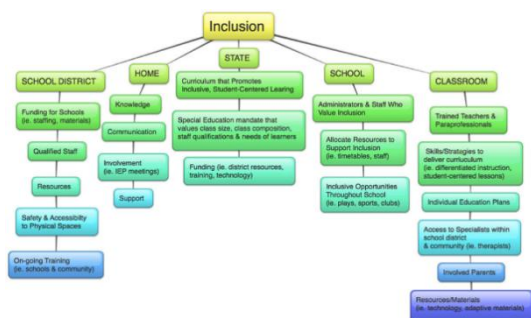


Fig.2:Representation of inclusive classes

It is straight forward for folks that square measure familiar with inclusion to grasp but of those gadgets fit alongside to create companion in nursing complete surroundings. But, for others, it still a thriller a puzzle. But will an educator with thirty college students differentiate gaining knowledge of? United Nations employer may be a co-trainer? Why will the entire university should be pressured to assist inclusion? On the proposal of my radio show co-host, Terri Mauro, a chart depiction the elements of complete training can be pretty beneficial for numerous of our listeners (and readers of this blogpost) in putt the items of the "inclusive puzzle" along. it additionally helps meet the requirement of our visible

leaners :) please detain mind that this chart is an precis, a bit contemporary and you could in all likelihood should be compelled to Enlarge it for reading!

3. Inclusive classes' process

There is an actual want for teachers to be supported in enforcing companion in nursing inclusive classes. A rigorous literature assessment of research observed maximum academics had either impartial or poor attitudes concerning inclusive classes schooling. it seems that plenty of this is regularly because of they are doing no longer sense they are extraordinarily knowledgeable, capable, or assured concerning the manner to train sew. But, just like oldsters, Lecturers with a variety of understanding and, inside the case of lecturers, a lot of coaching with inclusive classes training were extensively loads of tremendous concerning it. proof supports that to be effective, lecturers need companion in nursing knowledge of fine practices in teaching partner in nursing of tailor-made education for sowed; but nice attitudes in the direction of inclusion are some of the principal essential for making an inclusive room that works.

Inclusion can be a term won't to describe one choice for the placement of schooling college students publically schools. Those inclusive applications rectangular measure normally said as mainstreaming, that is that the selective placement of scholars with disabilities in normal schooling lecture rooms. This polemic instructional construct has its share of advocates on either side and is still a supply of contention with educators and oldsters. They all agree that schools must specialize in meeting dreams requirements wants of students with special needs within the most proper setting for each character. The people with disabilities act concept can be a federal law that wishes college students to be educated inside the least restrictive surroundings.

They have to acquire accomplice diploma schooling with helps set forth of their person schooling arrange, this is completely specific for each pupil.

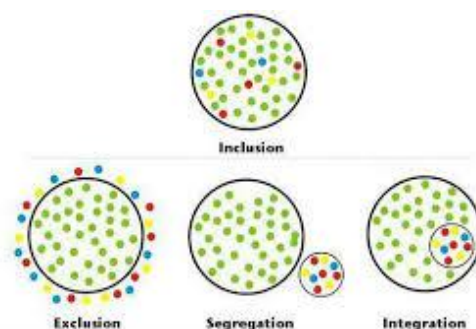


Fig.3: Inclusive classes' process

The federal legal guidelines that govern the training of special wishes children do not want that they get hold of

partner degree inclusive classes' education. They solely need that everyone students with disabilities be educated within the least restrictive environment which their one of a kind wishes square degree met. Direction, a modest journal article like this is often entirely attending to offer the highlights of what are observed to be effective inclusive class's approaches. For there to be authentic long-run achievement necessitates formal education. To administer concept plan notion even though, right here location unit ways suggested via many evaluation research and implemented knowledge

3.1 Use a number of educational classes

Begin with whole-organization instruction and transition to versatile groupings that might be little teams, stations/facilities, and matched getting to know. With appreciate to the complete cluster, victimization technology like interactive whiteboards is said to high pupil engagement. Concerning flexible groupings: for younger students, these region unit generally trainer-led besides for older college students, they will be student-led with teacher statement. Peer-supported learning are frequently terribly powerful and charming and take the shape of pair-work, cooperative grouping, peer tutoring, and scholar-led demonstrations.

3.2 Make sure get entry to educational facts content material

All students need the danger to own getting to know experiences in keeping with steady gaining knowledge of dreams. This could necessitate brooding about what supports person sides need, but universal methods vicinity unit ensuring all college students listen guidelines, that they are doing so start sports, that all students participate in large cluster training, which students transition inside and out of the room at consistent time. For this latter reason, no longer solely can it keep college students on target with the teachings, their non-sowed peers do not see them attempt or coming into within the middle of lessons, which might extremely highlight their versions.

3.3 Observe popular style for studying

Those region unit ways that place unit various which support numerous beginners' needs. they embrace a couple of methods wherein of representing content to students and for college students to represent gaining knowledge of returned, like modeling, snap shots, targets and manipulatives, graphic organizers, oral and written responses, and generation. Those can even be tailored as modifications for sides anyplace they want huge print, use headphones, region unit allowed to own a peer write their settled reaction, draw a photo alternatively, use calculators,

or sincerely have time beyond regulation. Assume too regarding the power of assignment-based associate in nursing inquiry getting to know anywhere college students singly or conjointly look into a know-how. Now permit's region it all of sudden by way of observing but a daily training trainer addresses the challenge and succeeds in victimization inclusive classes education in her room.

4. Analysis of inclusive classes

4.1 The analysis basis for complete education

Inclusive education and complete school rooms are gaining steam because of theirs maximum studies-based totally evidence round the edges take a glance. Sincerely positioned, every students with and at the same time as now not disabilities learn lots of. numerous research during the last three many years have observed that scholars with disabilities have better accomplishment and stepped forward competencies thru complete education, and their peers while not demanding situations earnings, too.

For college students with disabilities, this consists of instructional gains in attainment studying and writing, math, and social research each in grades and on standardized tests better communicate capabilities, and progressed social competencies and a variety of friendships. Longer inside the general schoolroom for sowed is moreover related to fewer absences and referrals for riotous behavior. This might be associated with findings concerning perspective they want a better self-concept, they like college and their lecturers a number of, and are a variety of driven round working and studying.

Their friends even as not disabilities conjointly display a lot of nice attitudes in those identical areas as soon as in comprehensive lecture rooms. They devise larger academic profits in reading and math. Evaluation suggests the presence of sowed gives non-sowed new styles of studying opportunities. One in every of these is when they characteristic peer-coaches. By way of learning a way to facilitate another pupil, their personal overall performance improves. Some other is that as lecturers take into bigger notion their numerous sowed novices, they deliver instruction all through a much wider range of getting to know modalities visual, auditory, and kinesthetic, that edges their everyday college students still.

Researchers generally explore problems and capacity pitfalls that could construct education less effective in inclusion school rooms. But findings display this can be now not the case. Neither academic time nor what amount time students are engaged differs between complete and non-inclusive school rooms. In reality, in numerous times, ordinary college students document little or no to no attention that

there even are college students with disabilities of their classes. When they are aware, they exhibit a whole lot of recognition and tolerance for sowed after all of them information and comprehensive education along.

4.2 What comprehensive education schemes offer for special desires college students?

Inclusive schooling schemes offer instructional services for all college students together with those with unique wants. These programs serve all kids in the ordinary schoolroom on a normal foundation. If a pupil desires further services like remedy, those offerings are introduced into the schoolroom. This application allows the student to live inside the ordinary education schoolroom placing in the slightest degree instances. This program is meant to meet the targets of plan by using educating college students inside the everyday schoolroom whereas nevertheless providing for their one of a kind wants.

There are variables in comprehensive schooling schemes that create an ordinary definition of inclusion deceptive. Complete inclusion is represented as putting all students, regardless of disabilities and severity, in the normal schoolroom on a regular foundation. These students don't depart the ordinary schoolroom for offerings in line with their classes, however those Services are added to them in the everyday schoolroom placing. Inclusion or mainstreaming refers to college students being educated with non-disabled peers for a lot of their college day. An education teacher collaborates with a standard education teacher to deliver services for university children. The general education instructor is liable for teaching all youngsters, even those with partner diploma iep. The schooling teacher collaborates with the general trainer on techniques.

Another placement choice Places disabled students in the preferred schoolroom with the schooling teacher presenting support and helping the overall training instructor in teaching the students. The training trainer brings substances into the schoolroom and works with the unique pupil in the course of clinical subject or reading preparation. The education teacher aids the overall schooling teacher in coming up with absolutely exceptional techniques for university kids with numerous capabilities. While the iep crew meets to exercise session the handiest placement for a little one with disabilities, they ought to reflect on consideration on that placement constitutes the smallest quantity restrictive surroundings for the child supported individual needs. The team should verify that setting can offer the kid with the desirable placement. The first objective of comprehensive schooling is to educate disabled college students in the regular schoolroom and still meet

their individual needs. Complete schooling allows children with unique has to obtain a loose and appropriate education collectively with non-disabled students within the everyday schoolroom.

4.3 Effectiveness of comprehensive schooling programs

Despite the fact that many studies are conducted to exercise session the effectiveness of complete schooling programs, no conclusion has been reached. Several effective symptoms are found with every schooling and regular college students. A few proponents of comprehensive education schemes argue that sequestered education packages are extra unfavorable to students and fail to meet their instructional dreams.

Folks who desire inclusion see some nice proof that each one students can have the gain of those comprehensive programs once the perfect assist services are enacted and some modifications show up itself within the historic schoolroom. Skilled improvement categories for every unique and widespread schooling lecturers flip out a higher information of the idea of comprehensive education. As soon as given the precise tools, unique desires students have the danger to succeed together with their non-disabled friends.

5. Inclusive in a totally non-inclusive classes

I wished to percentage with you approaches topics regarding inclusion and range is back in my United States of America. In republic of Venezuela, there may be no discussion regarding variety in any respect. We will be inclined to don't have phrases like underrepresented minorities or variety. I feel one amongst the reasons is because of we will be predisposed to don't have ample worldwide publicity. It is terribly difficult to search out households that location unit coming back from every other USA. In universities there are not any worldwide college students. Most of the parents have equal faith and despite the fact that they do not, anybody certainly count on that individuals are going to be catholic.

I preserve in mind one among of my great pals was the only female in each class in engineering science once i was in college. I took a calculus category at the side of her and once the midterm our educational introduced the test outcomes and read aloud her grade; she were given a thirty seven out of a hundred. He not solely created her grade public however conjointly advised her, earlier than of a complete schoolroom that she didn't belong there, that engineering became a profession for guys. Such things as that had been pretty commonplace in our lecture rooms once i was a pupil. although subjects has improved a hint bit in the closing years, owing to the rich roles and positions that

absolutely special girls have received in the final decade, still there's not partner in nursing commonplace open discussion in administrators or school contributors that this can be a drag.

Every other terribly regarding downside regarding range and inclusion again in republic of Venezuela is concerning the attractiveness of lights. Once I were given tenure I commenced to openly and loudly speak problems concerning light recognition. In time I started receiving stress with the aid of the authorities of the university to avoid speaking multiple topic that become nevertheless taboo. Oldsters started to keep away from Maine and some participants of the university have been competitive as a result of my Function. It have been now not possible for them to recognize however a directly married academic with a son may well be attempting to fight for rights of a network that did not exist. Institutions do not well known variety as partner in nursing problem; for this reason the voice communicate is out of the desk. There are not any guidelines or projects to marketplace the reputation of individuals that suppose and location unit completely different.

What was a whole lot of bounties changed into that when being the person who was not afraid to talk aloud concerning sensitive issues, I commenced receiving uncountable kind of scholars in my administrative center to come lower back out and became equipped to facilitate them by some means with their issues once in a while they simply required to be listened and diagnosed as global fitness agency. Even one amongst my best pals, some other academic that's gay, was not geared up to start within the university as a result of he became afraid his career can be affected. It changed into terribly sad to handle all this people who is unceasingly acting and being an character they're not just as a result of without a doubt due to the fact a macho culture do not settle for that people is completely specific or because they may be powerless to simply accept and tolerate distinctive factors of read. Our important downside regarding inclusion has been the recognition of women in universities and also the arms, mainly, in engineering faculties.

5.1 Stress reduction in inclusive classes as compare non-inclusive classes

Before records will attain the relative, patterning, and memory storage regions of the mind, the filters all incoming stimuli and makes a decision that records someone attends to or ignores. The foremost powerful facts for the activating system is physical need; the mind might not be able to have interaction in the project of mastering except fundamental survival desires square measure preliminary met. If Students partner their lecture rooms with a visceral sense of

challenge, the rash can strain pretty much crucial sensory records. This survival reaction to the pressure of the schoolroom can greatly limit brain get entry to incoming data, and additionally the students can fall farther in the back.

While we take into consideration the information-blocking off potential of each the activating system and additionally the affectional filter out inside the amygdaloidal nucleus, it turns into clean but important it is for academics to make environments low in harmful anxiety and high in applicable assignment. Many signs will clue academics in to immoderate pupil pressure. For example, college students may broadcast the stress of misunderstanding by using trying bored or appearing out. Shortened interest spans square measure the mind's technique of movement out anxiety producing confusion concerning cloth that is now not being given in an exciting and apprehensible manner. Low participation, as incontestable via a fulminant call inside the equal antique variety of queries or remarks throughout a difficult lesson, may sign confusion and tension. As soon as college students forestall raising questions mainly Id. students united nations company normally do ask them teachers have to don't forget the necessity for assessment.

Whilst strain is obtaining high from a lesson it truly is excessively abstract, not applicable to college students Lives, or too simple, the instructor must construct the lesson a variety of in individual interest-grabbing. Neuroimaging analysis has incontestable that deliciously tough classes moderately stimulate the amygdala's metabolism and consequently facilitate the mind's system of information. classes and sports that arouse the mind's search for that means can penetrate the activating system and attain the upper psychological function centers thanks to humans' natural survival Instinct the must be pressured to understand their placing and build meaning of what they see, pay attention, smell, and contact. Connecting the lesson to college students' lives and hobbies as a result reduces pressure and will increase motivation. Teachers will attempt the following pressure-decreasing methods.

Bring instructions to existence. The net may be a pleasant resource for finding strategies to convey fact-heavy, bloodless-information training to life. Pattern lesson plans from one of a kind academics abound, and even nation Internet websites listing standards generally provide sources for scholar activities and links to facts databases. Provide students a three-minute excursion. Lecturers need to frequently offer students an opening by bearing on a non-public account, asking regarding films that students have these days visible, or telling a comic story. A short mental excursion takes the activating system out of its fundamental

survival reaction to fear, permits the amygdaloidal nucleus to settle down, and gives time for neurochemical presents to reconstruct.

Praise students' efforts as soon as a lesson is critical on dry information and committal to reminiscence, teachers gives companion in nursing real praise for college kids' mental efforts, like keeping them take part in a very stimulating test, watch a movie version of the e-book they were allotted, or use pure mathematics to calculate the peak of homes out of doors. The anticipation of an exciting pastime can increase students' receptivity to the teachings. As an more bonus, students' leisure of the related hobby can make sure that the expertise they discovered will have a variety of relative connections (neuronal links) to hold it in let storage.

To inspire college students to place effort into prep, academics should do not forget designing prep it is without a doubt linked to the category sports, facultative college students to check its importance and motivating them to finish it simply so they may participate absolutely inside the observe-up Pastime. As an example, if the task is to scan a chapter in their social research book, the instructor will gives a short quiz of fairly clean queries without delay related to the analyzing. students united countries agency rating high enough to illustrate that they completed their analyzing can get to perform cluster skits reenacting the activities within the studying, while the scholars united nations enterprise did not do their prep sit down quietly and browse. As soon as students keep in mind that their prep has relevancy and no longer clearly work, they're going to be a variety of driven to complete it with applicable attention.

6. Conclusion:

The destiny is extremely bright so for this approach. the evidence is mounting that inclusive education and non-inclusive are geared up to no longer totally meet the necessities for university students with disabilities, however to learn everyday schooling students further. We have a tendency to peer that with exposure every oldsters and teachers grow to be additional positive. Education and assist permit everyday schooling academics to put in force inclusive classes education without difficulty and success.

References

1. Dyson. 2005. Improving Schools, Developing Inclusion.
2. Allan, G. 2007. Rethinking Inclusive Education: The Philosophers of Difference in Practice.
3. Campbell, M. (2009). Inclusion of Special Education Students Doesn't Affect Classmates' Education.

4. G. M. (2006) Center for Education Research and Policy. <http://cerpplus.wordpress.com> Cole.
5. Academic Programs of Students across Inclusive and Traditional Settings. *Mental Retardation*, 42(2), 136-144.
6. A. R., & Jordan, Y. (2009). The Influence of Students with Special Needs Included in Grade 3 Classrooms on the Large-Scale Achievement Scores of Students with Special Needs. *Canadian Journal of Education*, 30(3), 609-627.
7. Sutduean, J., Singa, A., Sriyakul, T., & Jermisittiparsert, K. 2019. "Supply Chain Integration, Enterprise Resource Planning, and Organizational Performance: The Enterprise Resource Planning Implementation Approach." *Journal of Computational and Theoretical Nanoscience* 16 (7): 2975-2981.
8. Singa, A., Sriyakul, T., Sutduean, J., & Jermisittiparsert, K. 2019. "Willingness of Supply Chain Employees to Support Disability Management at Workplace: A Case of Indonesian Supply Chain Companies." *Journal of Computational and Theoretical Nanoscience* 16 (7): 2982-2989.
9. Jiao, Y., Jermisittiparsert, K., Krasnopevtsev, A., Yousif, Q., & Salmani, M. 2019. "Interaction of Thermal Cycling and Electric Current on Reliability of Solder Joints in Different Solder Balls." *Materials Research Express* 6 (10): 106302.
10. Yu, D., Ebadi, A., Jermisittiparsert, K., Jabarullah, N., Vasiljeva, M., & Nojavan, S. 2019. "Risk-constrained Stochastic Optimization of a Concentrating Solar Power Plant." *IEEE Transactions on Sustainable Energy* (In press), DOI: 10.1109/TSTE.2019.2927735.
11. Jermisittiparsert, K., Sriyakul, T., Sutduean, J., & Singa, A. 2019. "Determinants of Supply Chain Employees Safety Behaviours." *Journal of Computational and Theoretical Nanoscience* 16 (7): 2959-2966.
12. Sriyakul, T., Singa, A., Sutduean, J., & Jermisittiparsert, K. 2019. "Effect of Cultural Traits, Leadership Styles and Commitment to Change on Supply Chain Operational Excellence." *Journal of Computational and Theoretical Nanoscience* 16 (7): 2967-2974.
13. Jermisittiparsert, K. & Chankoson, T. 2019. "Behavior of Tourism Industry under the Situation of Environmental Threats and Carbon Emission: Time Series Analysis from Thailand." *International Journal of Energy Economics and Policy* 9 (6): 366-372.
14. Romprasert, S. & Jermisittiparsert, K. 2019. "Energy Risk Management and Cost of Economic

- Production Biodiesel Project.” *International Journal of Energy Economics and Policy* 9 (6): 349-357.
15. Cao, Y., Huang, L., Li, Y., Jermstittiparsert, K., Ahmadi-Nezamabad, H., &Nojavan, S. 2020. “Optimal Scheduling of Electric Vehicles Aggregator under Market Price Uncertainty Using Robust Optimization Technique.” *International Journal of Electrical Power & Energy Systems* 117: 105628.
 16. Kasayanond, A., Umam, R., &Jermstittiparsert, K. 2019. “Environmental Sustainability and its Growth in Malaysia by Elaborating the Green Economy and Environmental Efficiency.” *International Journal of Energy Economics and Policy* 9 (5): 465-473.
 17. Jermstittiparsert, K, Sriyakul, T., &Rodoonsong, S. 2013. “Power(lessness) of the State in the Globalization Era: Empirical Proposals on Determination of Domestic Paddy Price in Thailand.” *Asian Social Science* 9 (17): 218-225.
 18. Jermstittiparsert, K, Sriyakul, T., &Pamornmast, C. 2014. “Minimum Wage and Country’s Economic Competitiveness: An Empirical Discourse Analysis.” *The Social Sciences* 9 (4): 244-250.
 19. Jermstittiparsert, K., Pamornmast, C., &Sriyakul, T. 2014. “An Empirical Discourse Analysis on Correlations between Exchange Rate and Industrial Product Export.” *International Business Management* 8 (5): 295-300.
 20. Jermstittiparsert, K., Sriyakul, T., Pamornmast, C., Rodboonsong, S., Boonprong, W., Sangperm, N., Pakvichai, V., Vipaporn, T., &Maneechote, K. 2016. “A Comparative Study of the Administration of Primary Education between the Provincial Administration Organisation and the Office of the Basic Education Commission in Thailand.” *The Social Sciences* 11 (21): 5104-5110.
 21. Jermstittiparsert, K., Trimek, J., &Vivatthanaporn, A. 2015. “Fear of Crime among People in Muang-Ake, Lak-Hok, Muang, Pathumthani.” *The Social Sciences* 10 (1): 24-30.
 22. Jermstittiparsert, K. &Akahat, N. 2016. “Fear of Crime among Students of KalasinRajabhat University.” *Research Journal of Applied Sciences* 11 (2): 54-61.
 23. Yu, D., Wang, Y., Liu, H., Jermstittiparsert, K., &Razmjoooy, N. 2019. “System Identification of PEM Fuel Cells Using an Improved Elman Neural Network and a New Hybrid Optimization Algorithm.” *Energy Reports* 5: 1365-1374.
 24. Tian, M., Ebadi, A., Jermstittiparsert, K., Kadyrov, M., Ponomarev, A., Javanshir, N., &Nojavan, S. 2019. “Risk-Based Stochastic Scheduling of Energy Hub System in the Presence of Heating Network and Thermal Energy Management.” *Applied Thermal Engineering* 159: 113825.
 25. Yu, D., Wnag, J., Li, D., Jermstittiparsert, K., &Nojavan, S. 2019. “Risk-Averse Stochastic Operation of a Power System Integrated with Hydrogen Storage System and Wind Generation in the Presence of Demand Response Program.” *International Journal of Hydrogen Energy* (In press), DOI: 10.1016/j.ijhydene.2019.09.222.
 26. Jabarullah, N., Jermstittiparsert, K., Melnikov, P., Maseleno, A., Hosseinian, A., &Vessally, E. 2019. “Methods for the Direct Synthesis of Thioesters from Aldehydes: A Focus Review.” *Journal of Sulfur Chemistry* (In press), DOI: 10.1080/17415993.2019.1658764.