

JGSEE

N e w s l e t t e r

Vol. 1 No. 5 September – October 2001

Operate under 5 universities collaboration



KMUTT



KMITNB



CMU



PSU



SIIT-TU

JGSEE new staff

To accommodate expansion in certain areas and to replace some of the officers who had resigned from duties, a number of new personnel were recruited to strengthen the operations as follow.

Firstly, we have a new acting deputy director-- Assoc. Prof. Dr. Prungchan Wongwises, who is a doctoral graduate of the University of Karlsruhe, Germany.

Previously, she has been with the Department of Mathematics, KMUTT, for over 30 years. Her duties at JGSEE will involve academic administration, as well as normal faculty staff works.



In administration, a new senior administrator has also been recruited. Mrs. Jiraporn Laotaweerungsawat, who is the former graduate of Thammasat University (Accountancy) and NIDA (Financial Management) with more than 12 years experience in banking and financial businesses, will look after the Finance and General Administration Sections.



The third new member is Miss Jitree Jitchongcharoen, who is a graduate of Silpakorn University (Education Technology) and ABAC (Management). She has more than 7 years of

experience in purchasing and company management. She will head the General Administration Section.



The fourth newcomer is Miss Pimhatai Changdamri, who will be

functioning as secretary to the Environment Division. She was graduated from Rajabhat Institute in Management with more than 5 years experience in financial businesses.



The most recent addition to JGSEE strength is Mr. Stuart J. Major, who is a master graduate of the University of London, with extensive experiences in university teaching and energy businesses for many years. He will be JGSEE's visiting faculty for one semester, attached to the Energy Division.



We are pleased to welcome all of them and in our next issue, we hope to introduce a few more of our new staff to you.

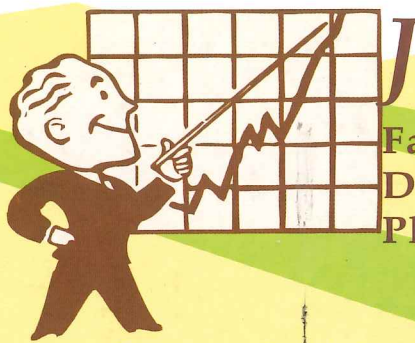
Visitors to JGSEE

During the last few months, a number of visitors came to JGSEE on various missions. In August, Mr. John Duncan, a NZ natural gas consultant, together with Dr. Pipol Boonjunta, a local consultant, visited JGSEE to discuss about programme development relating to the organization of an ASEAN-NZ Workshop on Natural Gas Technology, which is expected to be held in Bangkok in February next year. Also present at the meeting were Mr. Natt Uttaro Thai and Mr. Kittiphat Reungrungsrit from the Petroleum Authority of Thailand. JGSEE is expected to be host to this workshop. The event is in addition to the ASEAN Drying Workshop mentioned in the last issue.

In the following month of September 2001, JGSEE also received 3 prominent academics who came to participate in students' theses examinations. They were Professor Dr. Ronald Sass from Rice University, United States of America, Dr. Reinner Wassman from Fraunhofer



Institute for Atmospheric Environmental Research, Germany and the former JGSEE faculty, Prof. Dr. V. N. Bashkin, who is now with Moscow State University.



JGSEE's Facilities Development Plan

To accommodate the increase in student number, JGSEE management has been undertaking a number of improvement measures involving working space, IT and library facilities. Up to present, the working space available is limited. Although we have just finalized the renting of a room in Bangkhunthian Campus for 6-7 students who are doing research there, it is still far from sufficient. At the moment, we are negotiating with KMUTT management to use the old Chemistry Building which is situated behind the President's office. If the request is granted, we should have another 200 square metres at least to be used as the School office and energy laboratory.

Improvement of internet facilities is the next item to be tackled. As a matter of fact, the improvement process is already on-going at the time of writing. Speed increases of 64 and 128 kb/s are being tried at the moment, and by the time you read this Newsletter issue, we should conclude the trial period. Whichever speed we decide upon, the system will surely be faster than before.

Finally, after the conclusion of the internet improvement, we will be experimenting with a couple of library management software, in order to facilitate both the management and users. The process may take a few months before we make the decision.

Students made presentation at International Conferences

Thoucha Ramasak and Kanitta Wongyai are JGSEE's first batch of Ph.D. students. As part of their study requirements, they need to publish their research findings in international journals or present them at international conferences. Recently, Thoucha went overseas to present her research works. She made a poster presentation at the Global Change Open Conference which was held during July 10-13, 2001, in Amsterdam, The Netherlands and Kanitta will present her poster at the Arsenic in the Asia-Pacific Regional Workshop

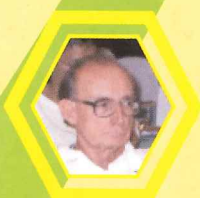




which will be held during November 20-23, 2001, in Adelaide, Australia. We would like to record their achievements here, and congratulate their advisors; Assoc. Prof. Dr. Sirintornthep Towprayoon and Prof. V. N. Bashkin, too for their contribution and guidance.

JGSEE's list of publications

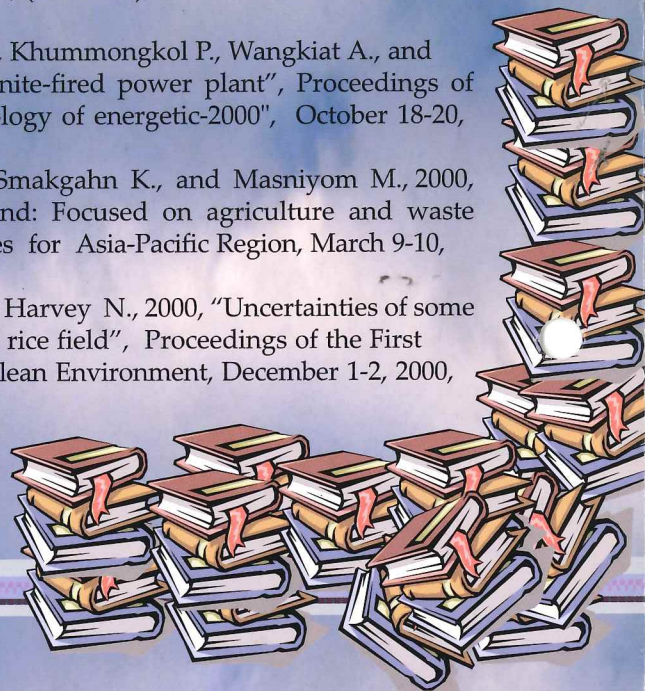
Over the last 3 years, JGSEE staff and students have made a number of publications and presentations in various international journals and conferences. Below is the list of some of the papers.



1. Bashkin V.N. & Gregor H-D.(Eds.), 1999, "Critical load calculation for air pollutions on East European ecosystems", POLTEX, Moscow-UBA Publishing House, Berlin, 132 pp.
2. Bashkin V.N. and Kozlov M. Ya., 1999, "Biogeochemical approaches to the assessment of East Asian ecosystem sensitivity to acidic loading", Biogeochemistry, vol. 47 no. 2, (November), 147-165.
3. Bashkin V.N. and Tankanag A.V., 1999, "Application of critical load approach to assessment of East-European ecosystem sensitivity to sulfur and nitrogen deposition input," in Bashkin V.N. & Gregor H-D.(Eds.), Critical loads calculation for air pollutants on East European ecosystems, POLTEX, Moscow-UBA Publishing House, Berlin, 32-47.
4. Pripulina A.V., Tankanag A.I., Abramychiev A. Yu., and Bashkin V.N., 1999, "Biogeochemical data used for estimation of critical loads of heavy metals on the ecosystems of East-European plain", in Bashkin V.N. & Gregor H-D.(Eds.), "Critical loads calculation for air pollutants on East European ecosystems," POLTEX, Moscow-UBA Publishing House, Berlin, 65-71.
5. Galiulin R.V., and Bashkin V.N., 1999, "Parameterization of persistent organic pollutants behaviors in atmosphere deposition-plant-soil water system for critical load calculations," in Bashkin V.N. & Gregor H-D.(Eds.), Critical loads calculation for air pollutants on East European ecosystems, POLTEX, Moscow-UBA Publishing House, Berlin, 26-32.
6. Sigareva L.I., Sharapova N.A., and Bashkin V.N., 1999, "Phytopigment indices for assessment of water body state and loading at water ecosystems", in Bashkin V.N. & Gregor H-D.(Eds.), Critical loads calculation for air pollutants on East European ecosystems, POLTEX, Moscow-UBA Publishing House, Berlin, 91-100.
7. Bashkin V., and Kouprianov V., 1999, "Methodological aspects for the assessment of heavy metal emission from lignite-fired power plants", Proceedings of the Fifth International Joint Seminar on Regional Deposition Processes in the Atmosphere, 12-16 October 1999, Seoul, 31-42.
8. Frolova L. and Bashkin V., 1999, "Application of expert systems in atmospheric deposition impact assessment", Proceedings of the Fifth International Joint Seminar on Regional Deposition Processes in the Atmosphere, 12-16 October 1999, Seoul, 203-210.
9. Milindalekha J., Towprayoon S., Withers Harvey N., and Bashkin V., 1999, "Problems encountered in the calculating of critical load for sulfur in Thailand", Proceedings of the Fifth International Joint Seminar on Regional Deposition Processes in the Atmosphere, 12-16 October 1999, Seoul, 221-226.

10. Bashkin V.N., 2000, Critical loads methodology for assessing ecosystem sensitivity to transboundary air pollution in East and South-East Asia, Proceedings of the Sixth Eurasia Conference on Chemical Sciences, February 27 - March 2, 2000, Brunei Darussalam.
11. Kouprianov V. I., and Bashkin V.N., 2000, "Environmental impact of heavy metals contained in fly ash emitted from Thai lignite-fired power plant", in T.I. Feeley, III (Ed.), Particulate Matter and Stationary Sources, Division of Fuel Chemistry, ACS, vol. 45 no.1, 83-87.
12. Bashkin V.N., Park S.U., Choi M. S., and Lee C. B., 2001, "Regional biogeochemical budget of nitrogen in North-East Asia", Biogeochemistry accepted.
13. Bashkin V.N., & Howarth R. W., 2000, "Modern Biogeochemistry (textbook)", Kluwer Scientific Publishers, in press.
14. Bashkin V.N., 2001, "Environmental Chemistry: Asian Lessons", (textbook), Kluwer Academic Publishers, July 2001, The Netherlands.
15. Bashkin V.N., Kouprianov V.I., Chullabodhi C., Towprayoon S., Khummongkol P., Wangkiat A., and Wongyai K., 2000, "Ecological monitoring of the Thai lignite-fired power plant", Proceedings of the International Scientifically Practical Conference -Ecology of energetic-2000", October 18-20, 2000, Russia.
16. Towprayoon S., Gale G. A., Wongkumpoo A., Jittasatra O., Smakgahn K., and Masniyom M., 2000, "Development of greenhouse gas inventories in Thailand: Focused on agriculture and waste sector", Proceedings of Workshop on GHG inventories for Asia-Pacific Region, March 9-10, 2000, IGES, Japan.
17. Towprayoon S., Jittasatra O., Wongkumpoo A., and Withers Harvey N., 2000, "Uncertainties of some important factors effecting methane emission from Thai rice field", Proceedings of the First Regional Conference on Energy Technology towards a Clean Environment, December 1-2, 2000, Thailand.

(To be continued in the next issue.)



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