

ASSAM UNIVERSITY, SILCHAR

Faculty Profile



- A. Name** : DR. SUMAN KALYAN PANJA
- B. Designation** : Assistant Professor
- C. Address** : Department of Education, Assam University, Silchar – 788011, Assam, India.
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<https://orcid.org/0000-0002-9097-4938>
- D. School** : Asutosh Mukherjee School of Educational Sciences.

E. Academics (Multidiscipline):

| 1. Education | | | | | |
|--|-------------|-------------------------------|---|------------|------|
| B.Ed. (C.U) | M.Ed. (C.U) | Ph.D. (Thesis submitted, AUS) | PGD in Guidance and Counselling (C.U) | NET (NTA) | WBTE |
| 2. Chemistry | | | | | |
| B.Sc (C.U) | M.Sc (C.U) | Ph.D. (C.U) | PGD in Chemical Analysis and Quality Management (UoH) | NET (CSIR) | GATE |
| 3. PGD in Training and Development from ISTD | | | | | |

F. Research Interest:

Higher Education, Professional Development, Technology Enhanced Learning, Educational Technology, Guidance and Counselling, Training and Development, Science Education, Organic Chemistry.

G. Experiences:

Assistant Professor (October 2017 - Till Date), Department of Education, Assam University, Silchar.

Assistant Professor (On Contract, August, 2016 – April, 2017), Department of Chemistry, DESM Section, Regional Institute of Education (NCERT), Bhubaneswar.

Assistant Professor (On Contract, August, 2015 – April, 2016), Department of Chemistry, DESM Section, Regional Institute of Education (NCERT), Bhubaneswar.

H. Achievements, Awards & Honours:

3. **Best paper award** for the paper “Achieving SDG 4 in Indian Higher Education through the Attainment of the Inclusive Environment: A Study on Indigenous MOOCs Learners' Perspective” at the

- International Conference on Sustainable Development Goals & Gender Perspective, 2022 hosted at SVNIT, Surat.
2. **NPTEL courses topper** on Enhancing Soft Skills and Personality, Educational Leadership, Stereochemistry, Pericyclic Reactions and Organic Photochemistry.
 1. **NPTEL Star** (Dec. 2019).

I. Multidisciplinary (Research Article) Publications: 20

20. **Suman Kalyan Panja** and Ajay Kumar Singh. "A Narrative Study on iGOT and LEAP for the Professional Development of Government Employees in India." *International Journal for Innovative Research in Multidisciplinary Field*, **2022**, 8 (11), 23-26. (ISSN No. 2455-0620).
19. **Suman Kalyan Panja** and Kamal Krishna De. "Attitude towards career guidance and counselling among higher secondary school teachers under present scenario in west Bengal." *Indian Journal of Applied Research*, **2015**, 5 (12), 12-17. (ISSN No. 2249-555X).
18. Jaydip Ghosh, **Suman Kalyan Panja**, Sourav Maiti, Pritam Biswas, Tapas Sarkar and Chandrakanta Bandyopadhyay. "Synthesis of 3-aminomethylidenechroman-2-carboxamides by a Sequential One-pot Three Component Reaction and by Post-Passerini Condensation Modification." *J. Heterocyclic Chem.*, **2016**, 53 (2), 449 - 456. (ISSN No. 1943 - 5193).
17. **Suman Kalyan Panja**, Jaydip Ghosh, Sourav Maiti and Chandrakanta Bandyopadhyay. "Synthesis of furocoumarins and biscoumarins by an isocyanide-induced multicomponent reaction: isocyanide as a masked amine." *J. Chem. Res.*, **2012**, 36 (4), 222 - 225. (ISSN No. 1747 - 5198).
16. Sourav Maiti, **Suman Kalyan Panja**, Koushik Sadhukhan, Jaydip Ghosh, Chandrakanta Bandyopadhyay. "Effects of substituent and catalyst on the intramolecular Povarov reaction—synthesis of chromenonaphthyridines." *Tetrahedron Lett.*, **2012**, 53 (6), 694 - 696. (ISSN No. 0040 – 4039).
15. **Suman Kalyan Panja**, Sourav Maiti and Chandrakanta Bandyopadhyay. "Synthesis of 8,8'-(polymethylene-/o-xylyl-dioxy)di(pyrano[4,3-b]-1-benzopyran)-10H-10-one and its conversion to corresponding diacrolein derivative." *J. Indian Chem. Soc.*, **2011**, 88, 1577 - 1580. (ISSN No. 0019 – 4522).
14. Sourav Maiti, Suvadip Mallick, **Suman Kalyan Panja**, Chiranjib Pal and Chandrakanta Bandyopadhyay. "A one-pot rearrangement of 2-(N-alkyl-N-aryl)aminochromone-3-carbaldehyde to N-alkyl-3-salicyloyl-2-quinolone- an antileishmanial agent." *Synlett*, **2011**, 22 (14), 2001 - 2004. (ISSN No. 0936 - 5214).
13. Sourav Maiti, T. M. Lakshmykanth, **Suman Kalyan Panja**, Ranjan Mukhopadhyay, Ayan Datta and Chandrakanta Bandyopadhyay. "Regio- and stereoselective synthesis of 1-benzopyrano[2,3-b]pyrrolo[2,3-d]pyridines: A microwave-accelerated intramolecular [3+2] cycloaddition reaction of azomethine ylide." *J. Heterocycl. Chem.*, **2011**, 48 (4), 763 - 768. (ISSN No. 1943 - 5193).
12. Sourav Maiti, **Suman Kalyan Panja** and Chandrakanta Bandyopadhyay. "An organocatalytic rearrangement of 2-(N-alkyl-/aryl)amino-4-oxo-4H-1-benzopyran-3-carbaldehyde." *Tetrahedron Lett.*, **2011**, 52 (16), 1946 -1948. (ISSN No. 0040 – 4039).

11. **Suman Kalyan Panja**, Sourav Maiti, Michael G. B. Drew and Chandrakanta Bandyopadhyay. "One-pot three component reaction involving cyclohexyl isocyanide for the synthesis of furo[3,4-b]chromenes." *J. Chem. Res.*, **2011**, 35 (4), 225 - 228. (ISSN No. 1747 - 5198).
10. Sourav Maiti, **Suman Kalyan Panja** and Chandrakanta Bandyopadhyay. "Synthesis of 6,8-diarylimino-7H-pyrano[3,2-c:5,6-c']dicoumarin; chemoselective hydrolysis of the ether- and imino-functions." *J. Chem. Res.*, **2011**, 35 (2), 84 - 86. (ISSN No. 1747 - 5198).
9. **Suman Kalyan Panja**, Sourav Maiti and Chandrakanta Bandyopadhyay. "Synthesis of 3-allylchromones, homoisoflavones and bischromones from 1-(2-hydroxyphenyl)-3-(N, N-dimethylamino) propenone." *J. Chem. Res.*, **2010**, 34 (10), 555 - 558. (ISSN No. 1747 - 5198).
8. Sourav Maiti, **Suman Kalyan Panja**, and Chandrakanta Bandyopadhyay. "Substituent-controlled domino-Knoevenagel-hetero Diels-Alder reaction – a one-pot synthesis of polycyclic heterocycles." *Tetrahedron*, **2010**, 66 (38), 7625 - 7632. (ISSN No. 0040 - 4020).
7. **Suman Kalyan Panja**, Sourav Maiti, Subhabrata Banerjee and Chandrakanta Bandyopadhyay. "One-Pot Synthesis of Pyrano [3, 4-b] chromones from Chromone-3- carbaldehyde." *Synlett*, **2010**, 2010 (13), 1909 - 1914. (ISSN No. 0936 - 5214).
6. Sourav Maiti, **Suman Kalyan Panja** and Chandrakanta Bandyopadhyay. "A one-pot synthesis of the 1-benzopyrano[2,3-b]pyridine moiety from 2-(Alkyl/arylamino)-4-oxo-4H-1-benzopyran-3-carbaldehyde." *J. Heterocycl. Chem.*, **2010**, 47 (4), 973 - 981. (ISSN No. 1943 - 5193).
5. **Suman Kalyan Panja**, Sourav Maiti and Chandrakanta Bandyopadhyay. "One-pot three component reaction for the synthesis of chromone-linked naphthopyran." *J. Chem. Res.*, **2009**, 2009 (11), 692 - 695. (ISSN No. 1747 - 5198).
4. Sourav Maiti, **Suman Kalyan Panja** and Chandrakanta Bandyopadhyay. "Reaction of amines with nitrones derived from chromone-3-carbaldehyde." *Indian J. of Chem.*, **2009**, 48B, 1447 - 1452. (ISSN No. 0975 - 0983).
3. Sourav Maiti, **Suman Kalyan Panja** and Chandrakanta Bandyopadhyay. "A one-pot synthesis of 3,3'-methylenebis(2-arylamino-4H-chromen-4-one) from C-(4-oxo-4H-1-benzopyran-3-yl)-N-arylnitron." *Tetrahedron Lett.*, **2009**, 50 (27), 3966 - 3969. (ISSN No. 0040 - 4039).
2. **Suman Kalyan Panja**, Sourav Maiti, Michael G. B. Drew and Chandrakanta Bandyopadhyay. "Synthesis of bischromones by deformylative Mannich reaction on chromone-3-carbaldehyde using α -aminoacid as the source of amin." *Tetrahedron*, **2009**, 65 (7), 1276 - 1280. (ISSN No. 0040 - 4020).
1. **Suman Kalyan Panja**, Partha Karmakar, Jishnunil Chakraborty, Tarun Ghosh and Chandrakanta Bandyopadhyay. "Synthesis of dispiropyrrolidines from chromone-3-carbaldehyde using sarcosine and ninhydrin as the source of an azomethine ylide." *Tetrahedron Lett.*, **2008**, 49 (28), 4397 - 4401. (ISSN No. 0040 - 4039).

J. Book Chapters: 01

1. Panja, S., K. (2022). Practising HRD for achieving HRM, pp 46-64. In Human Resource Management In the 21st Century, (Eds.) J. Sanyal and E.Chakravarty. GPHI. ISBN. 978-93-95606-11-0.

K. Monograph Published:

Suman Kalyan Panja, "Evaluation Framework for Govt., Govt-Sponsored and Govt-aided Secondary Schools in India" (ISBN NO - 9788192367514).

L. Participation in Seminar/Symposium/Workshop/Conference/Training: 24

| Paper Presentation: 12 | | | | |
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| Sl. No. | Programme | Schedule | Organised By | Title of the Paper |
| 12 | International Seminar on Implementation and Execution of NEP-2020 in the light of Inclusive Education | 21-22 nd February, 2023 | Vevekjyoti College, West Bengal. | SWAYAM MOOCs for Transformational Education using Technology: NEP-2020 Perspective |
| 11 | 2nd International Conference on Sustainable Development Goals & Gender Perspective (ICSDGAGP2022) | 15th & 16th December 2022 | DoEE, SVNIT, Surat, India. | Achieving SDG 4 in Indian Higher Education through the Attainment of the Inclusive Environment: A Study on Indigenous MOOCs Learners' Perspective |
| 10 | CPHEI - 2022 International conference on changing paradigms of higher education in India and the way ahead | 7 - 9 th December, 2022 | Department of Education Akal University, Bathinda. | The Mapping of SWAYAM MOOCs: A Data Mining Approach |
| 9 | ICSSR NERC sponsored National Seminar on Inclusive Education in India | 10-11 th March, 2022. | Department of Education, Mizoram University, Aizawl, Mizoram. | Practising Inclusive Education in Higher Education during Covid-19 Pandemic: A Means of Continuing Professional Development through Indian MOOCs |
| 8 | National Seminar on Integration of Indigenous Knowledge in the School Curriculum: Prospects and Challenges | 17-18 th February, 2022. | NERIE-NCERT, Meghalaya. | SWAYAM MOOC, Higher Education and School Education; Cross Road |
| 7 | National Seminar on Higher Education in India: Reorientation and Quality Assurance | 23 rd March, 2019 | AUTA, Assam University, Silchar. | Quality Assurance? We Are "NAAC" Peer Team, Not Fear Team! |
| 6 | International Seminar on Culture, Thought & Religion: Edges and Exchanges | 28 th January, 2019 | East Calcutta Girls' College, Lake Town | Diversity Management and Inclusion |
| 5 | International Seminar on Peace, Well-being & Education: a Pedagogical Discourse. | 28-29 th December, 2018. | Jadavpur University & Bhattar College, Dantan. | Coping With Stress for Psychological and Social Wellbeing |

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| 4 | International Seminar on "New Horizons in Teacher Education". | 15-16 th January, 2018. | WBUTTEPA, Kolkata. | Relating Human Resource Development with Teacher Education in the 21 st Century. |
| 3 | National conference on "Quality Assurance in School Education". | 17-18 th December, 2015. | Regional Institute of Education (NCERT), Bhubaneswar. | Attitude towards Career Guidance and Counselling Among Higher Secondary School Teachers Under Present Scenario in West Bengal. |
| 2 | National seminar on "National Seminar on Current Trends in Chemistry-IV (NSCTC-IV)". | 26 th February, 2010. | University of Kalyani. | One-pot synthesis of pyrano[3,4- <i>b</i>]chromones from chromone-3-carbaldehyde. |
| 1 | International symposium on "Frontiers of Functional Materials". | 6-7 th January, 2009. | University of Calcutta. | Synthesis of dispiropyrrolidines from chromone-3-carbaldehyde using deformylative Mannich reaction. |

Workshop Attendance and Contribution: 3

| Sl. No. | Programme | Schedule | Organised By |
|---------|---|-------------------------------------|---|
| 3 | Role of Academia in Building Resilience of Children to Disasters in Barak Valley of Assam. | 11-12 th December, 2017 | Department of Social Work, Assam University, Silchar in collaboration with UNICEF, Assam and Assam State Disaster Management Authority. |
| 2 | Development of CBCS based integrated syllabus for B.Sc B.Ed students. | 6 – 7 th December, 2016. | DESM Section, Regional Institute of Education (NCERT), Bhubaneswar. |
| 1 | Developing Evaluation Framework for Government, Government Sponsored & Government Aided Schools in India. | 9 th April, 2015. | Ramakrishna Mission Sikshanamandira, Belur Math. |

Participation in Seminar/Symposium/Workshop/Conference/Training: 9

| Sl. No. | Programme | Schedule | Organised By |
|---------|---|---|---|
| 9 | Public Procurement under GFR 2017 from ISTM (DoPT), Gol. | 22 nd – 24 th April, 2019 | Assam University, Silchar. |
| 8 | "NPTEL SPOC workshop". | 6 th January, 2018. | IIT – Kharagpur. |
| 7 | "National Conference on Mathematics Education". | 19-20 th December, 2016. | Regional Institute of Education (NCERT), Bhubaneswar. |

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| 6 | College level seminar on “Modern Trends in Chemistry”. | 9 th January, 2013. | Ramakrishna Mission Vivekananda Centenary College, Rahara. |
| 5 | College level seminar on “Interdisciplinary Approach in College Level Chemistry”. | 6 th September, 2011. | Ramakrishna Mission Vivekananda Centenary College, Rahara and Mahadevananda Mahavidyalaya, Barrackpore. |
| 4 | National level symposium on “National Symposium on Organic Chemistry (NSOC-IV)”. | 2-3 rd February, 2011. | Jadavpur University. |
| 3 | International level symposium on “Facets of Weak Interactions in Chemistry”. | 13-15 th January, 2011. | University of Calcutta. |
| 2 | International level symposium on “Organic Chemistry: Trends in 21 st Century”. | 10-12 th December, 2009. | IACS, Jadavpur. |
| 1 | Kolkata chapter symposium on “Current Trends of Chemical Research”. | 8 th August, 2009. | Ramakrishna Residential College, Narendrapur. |

M. Contribution to E-content Development:

Course No – 121106008 (UG), 127108005 (PG).

Link - <https://nptel.ac.in/courses/121/106/121106008/>

<https://nptel.ac.in/courses/127/108/127108005/>

Platform – NPTEL, SWAYAM.

N. CPD (MOOCs) Attended:

22. Action Research in Education (NCERT - New Delhi).
21. Programme on School Leadership and Management (NIEPA – New Delhi).
20. Stereochemistry (IIT – Kharagpur).
19. Basics of Fluorescence Spectroscopy (IIT – Kanpur).
18. Human Resource Development (IIT – Kharagpur).
17. Principles and Applications of NMR Spectroscopy (IISc – Bangalore).
16. Enhancing Soft Skills & Personality (IIT – Kanpur).
15. Analytical Chemistry (IIT – Kharagpur).
14. Educational Leadership (IIT – Kharagpur).
13. Stress Management (IIT – Kharagpur).

12. Pericyclic Reactions and Organic Photochemistry (IIT – Madras).
11. Introduction to Cognitive Psychology (IIT – Guwahati).
10. Teaching & Learning in Ground Phase TALG (IISc – Bangalore).
9. Introduction to Psychology: The History and Science of Psychology (Monash University).
8. Introduction to Psychology: Developmental Psychology (Monash University).
7. Introduction to Psychology: The Psychology of Learning (Monash University).
6. Introduction to Psychology: The Psychology of Personality (Monash University).
5. Introduction to Psychology: Sensation and Perception (Monash University).
4. Creating Apps in the Classroom (Queensland University of Technology).
3. The Science of Learning (National STEM Learning Centre).
2. What is Leadership (Deakin University).
1. Essential Skills for Your Career Development (University of Leeds and Institute of Coding).

O. FDP (MOOCs) Completed:

3. Educational Leadership (IIT – Kharagpur).
2. Stress Management (IIT – Kharagpur).
1. Teaching & Learning in Ground Phase TALG (IISc – Bangalore).

P. OP/FIP/RC/CBP Attended:

4. ARPIT course on **Internship in Teaching** (RIE – Mysore. 05/11/18 - 28/02/2019).
3. **Online Refresher Course in Chemistry for Higher Education Faculty** (Sri Guru Tegh Bahadur Khalsa College, University of Delhi, 01.09.2019 – 31.12.2019).
2. **ICSSR** sponsored two weeks CBP on **Research Methodology in Social Science and Social Work for young faculties** from 07/11/2019 to 20/11/2019 in Dept. of Social Work, Assam University, Silchar.
1. FIP3 at **UGC-HRDC-JNU** from 28/12/2020 to 23/01/2021.

Q. Membership with Professional Bodies:

1. AIAER, Bhubaneswar (4284).

R. Research Projects (Completed):

1. “Study of Diels Alder Reaction on Substituted Chromone for the Synthesis of Pharmaceutically Important Xanthene Analogues.” **Funded by UGC (start-up grant), New Delhi.** (07/03/2019 – 06/03/2022). Fund sanctioned: 1000000.